

**R315. Environmental Quality, Solid and Hazardous Waste.****R315-3. Application and Permit Procedures for Hazardous Waste Treatment, Storage, and Disposal Facilities.****R315-3-1. General Information.****1.1 PURPOSE AND SCOPE OF THESE REGULATIONS**

(a) No person shall own, construct, modify, or operate any facility for the purpose of treating, storing, or disposing of hazardous waste without first submitting, and receiving the approval of the Executive Secretary for, a hazardous waste permit for that facility. However, any person owning or operating a facility on or before November 19, 1980, who has given timely notification as required by section 3010 of the Resource Conservation and Recovery Act (RCRA) of 1976, 42 U.S.C., section 6921, et seq., and who has submitted a proposed hazardous waste permit pursuant to this section and section 19-6-108 for that facility, may continue to operate that facility without violating this section until the time as the permit is approved or disapproved pursuant to this section.

(b) The Executive Secretary shall review each proposed hazardous waste permit application to determine whether the application will be in accord with the provisions of these rules and section 19-6-108 and, on that basis, shall approve or disapprove the application within the applicable time period specified in section 19-6-108. If, after the receipt of plans, specifications, or other information required under this section and section 19-6-108 and within the applicable time period of section 19-6-108, the Executive Secretary determines that the proposed construction, installation or establishment or any part of it will not be in accord with the requirements of this section or the applicable rules, he shall issue an order prohibiting the construction, installation or establishment of the proposal in whole or in part. The date of submission shall be deemed to be the date of all required information is provided to the Executive Secretary as required by these rules.

(c) Any permit application which does not meet the requirements of these rules shall be disapproved within the applicable time period specified in section 19-6-108. If within the applicable time period specified in section 19-6-108 the Executive Secretary fails to approve or disapprove the permit application or to request the submission of any additional information or modification to the application, the application shall not be deemed approved but the applicant may petition the Executive Secretary for a decision or seek judicial relief requiring a decision of approval or disapproval.

(d) An application for approval of a hazardous waste permit consists of two parts, part A and part B. For an existing facility, the requirement is satisfied by submitting only part A of the application until the date the Executive Secretary sets for each individual facility for submitting part B of the application, which date shall be in no case less than six months after the Executive Secretary gives notice to a particular facility that it shall submit part B of the application.

(e) Owners and operators of hazardous waste management units shall have permits during the active life, including the closure period, of the unit. Owners and operators of surface impoundments, landfills, land treatment units, and waste pile units that received waste after July 26, 1982, or that certified closure, according to R315-7-14, which incorporates by reference 40 CFR 265.115, after January 26, 1983, shall have post-closure permits,

unless they demonstrate closure by removal or decontamination as provided under R315-3-1.1(e)(5) and (6), or obtain an enforceable document in lieu of a post-closure permit, as provided under R315-3-1.1(e)(7). If a post-closure permit is required, the permit shall address applicable R315-8 groundwater monitoring, unsaturated zone monitoring, corrective action, and post-closure care requirements of R315. The denial of a permit for the active life of a hazardous waste management facility or unit does not affect the requirement to obtain a post-closure permit under R315-3-1.1.

(1) Specific inclusions. Owners or operators of certain facilities require hazardous waste permits as well as permits under other environmental programs for certain aspects of facility operation. Hazardous waste permits are required for:

(i) Injection wells that dispose of hazardous waste, and associated surface facilities that treat, store, or dispose of hazardous waste. However, the owner or operator with a State or Federal UIC permit will be deemed to have a "permit by rule" if they comply with requirements of R315-3-6.1(a).

(ii) Treatment, storage, and disposal of hazardous waste at facilities requiring an NPDES permit. However, the owner or operator of a publicly owned treatment works receiving hazardous waste will be deemed to have a "permit by rule" if they comply with provisions of R315-3-6.1(b).

(2) Specific exclusions. The following persons are among those who are not required to obtain a permit:

(i) Generators who accumulate hazardous waste on-site for less than the time periods as provided in R315-5-3.34, which incorporates the requirements of 40 CFR 262.34.

(ii) Farmers who dispose of hazardous waste pesticides from their own use as provided in R315-5-7.

(iii) Persons who own or operate facilities solely for the treatment, storage, or disposal of hazardous waste excluded from regulations under R315-2-5, small quantity generator exemption.

(iv) Owners or operators of totally enclosed treatment facilities as defined in 40 CFR 260.10, which is incorporated by reference in R315-1-1.

(v) Owners or operators of elementary neutralization units or wastewater treatment units as defined in 40 CFR 260.10, which is incorporated by reference in R315-1-1.

(vi) Transporters storing manifested shipments of hazardous waste in containers meeting the requirements of R315-5-3.32(b) at a transfer facility for a period of ten days or less.

(vii) Persons adding absorbent material to waste in a container, as defined in 40 CFR 260.10, which is incorporated by reference in R315-1, and persons adding waste to absorbent material in a container, provided that these actions occur at the time waste is first placed in the container, and R315-8-2.8(b), R315-8-9.2, and R315-8-9.3 are complied with.

(viii) Universal waste handlers and universal waste transporters (as defined in R315-16-1.7) managing the wastes listed below. These handlers are subject to regulation under R315-16.

(A) Batteries as described in R315-16-1.2;

(B) Pesticides as described in R315-16-1.3;

(C) Thermostats as described in R315-16-1.4; and

(D) Mercury lamps as described in R315-16-1.6.

(3) Further exclusions.

(i) A person is not required to obtain a permit for treatment or containment activities taken during immediate response to any of the following situations;

(A) Discharge of a hazardous waste;

(B) An imminent and substantial threat of a discharge of hazardous waste.

(C) A discharge of a material which, when discharged, becomes a hazardous waste.

(ii) Any person who continues or initiates hazardous waste treatment or containment activities after the immediate response is over is subject to all applicable requirements of this part for those activities.

(4) Permits for less than an entire facility. The Executive Secretary may issue or deny a permit for one or more units at a facility without simultaneously issuing or denying a permit to all units at the facility. The interim status of any unit for which a permit has not been issued or denied is not affected by the issuance or denial of a permit to any other unit at the facility.

(5) Closure by removal. Owners or operators of surface impoundments, land treatment units, and waste piles closing by removal or decontamination under R315-7 standards shall obtain a post-closure permit unless they can demonstrate to the Executive Secretary that the closure met the standards for closure by removal or decontamination in R315-8-11.5, R315-8-13.8, or R315-8-12.6, respectively. The demonstration may be made in the following ways:

(i) If the owner or operator has submitted a part B application for a post-closure permit, the owner or operator may request a determination, based on information contained in the application, that R315-8 closure by removal standards were met. If the Executive Secretary believes that R315-8 standards were met, he will notify the public of this proposed decision, allow for public comment, and reach a final determination according to the procedures in R315-3-1.1(e)(6);

(ii) If the owner or operator has not submitted a part B permit application for a post-closure permit, the owner or operator may petition the Executive Secretary for a determination that a post-closure permit is not required because the closure met the applicable R315-8 closure standards;

(A) The petition shall include data demonstrating that closure by the removal or decontamination standards of R315-8 were met.

(B) The Executive Secretary shall approve or deny the petition according to the procedures outlined in R315-3-1.1(e)(6).

(6) Procedures for Closure Equivalency Determination.

(i) If a facility owner or operator seeks an equivalency demonstration under R315-3-1.1(e)(5), the Executive Secretary will provide the public, through a newspaper notice, the opportunity to submit written comments on the information submitted by the owner or operator within 30 days from the date of the notice. The Executive Secretary will also, in response to a request or at his own discretion, hold a public hearing whenever a hearing might clarify one or more issues concerning the equivalence of the R315-7 closure to an R315-8 closure. The Executive Secretary will give public notice of the hearing at least 30 days before it occurs. Public notice of the hearing may be given at the same time as notice of the opportunity for the public to submit written comments, and the two

notices may be combined.

(ii) The Executive Secretary will determine whether the R315-7 closure met R315-8 closure by removal or decontamination requirements within 90 days of its receipt. If the Executive Secretary finds that the closure did not meet the applicable R315-8 standards, he will provide the owner or operator with a written statement of the reasons why the closure failed to meet R315-8 standards. The owner or operator may submit additional information in support of an equivalency demonstration within 30 days after receiving a written statement. The Executive Secretary will review any additional information submitted and make a final determination within 60 days.

(iii) If the Executive Secretary determines that the facility did not close in accordance with R315-8-7, which incorporates by reference 40 CFR 264.110 through 264.116, closure by removal standards, the facility is subject to post-closure permit requirements.

(7) Enforceable documents for post-closure care. At the discretion of the Executive Secretary, an owner or operator may obtain, in lieu of a post-closure permit, an enforceable document imposing the requirements of R315-7-14, which incorporates by reference 40 CFR 265.121. "Enforceable document" means an order, a permit, or other document issued by the Executive Secretary that meets the requirements of 19-6-104, 19-6-112, 19-6-113, and 19-6-115, including a corrective action order issued by EPA under section 3008(h), a CERCLA remedial action, or a closure or post-closure permit.

#### 1.4 EFFECT OF A PERMIT

(a) Compliance with a permit during its term constitutes compliance, for purposes of enforcement, with these rules, except for those requirements not included in the permit which:

(1) Become effective by statute;

(2) Are promulgated under R315-13, which incorporates by reference 40 CFR 268, restricting the placement of hazardous wastes in or on the land;

(3) Are promulgated under R315-8 regarding leak detection systems for new and replacement surface impoundment, waste pile, and landfill units, and lateral expansions of surface impoundment, waste pile, and landfill units. The leak detection system requirements include double liners, CQA programs, monitoring, action leakage rates, and response action permits, and will be implemented through the procedures of R315-3-4.3, which incorporates by reference 40 CFR 270.42, Class 1 permit modifications; or

(4) Are promulgated under R315-7-26, which incorporates by reference 40 CFR 265.1030 through 265.1035, R315-7-27, which incorporates by reference 40 CFR 265.1050 through 265.1064 or R315-7-30, which incorporates by reference 40 CFR 265.1080 through 265.1091.

(b) The issuance of a permit does not convey any property rights of any sort, or any exclusive privilege.

(c) The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

### **R315-3-2. Permit Application.**

#### 2.1 GENERAL APPLICATION REQUIREMENTS

(a) Permit Application. Any person who is required to have a permit, including new applicants and persons with expiring permits, shall complete, sign and submit, a minimum of two applications to the Executive Secretary as described in R315-3-2.1 and R315-3.7. Persons currently authorized with interim status shall apply for permits when required by the Executive Secretary. Persons covered by RCRA permits by rule, R315-3-6.1, need not apply. Procedures for applications, issuance and administration of emergency permits are found exclusively in R315-3-6.2. Procedures for application, issuance and administration of research, development, and demonstration permits are found exclusively in R315-3-6.5.

(b) Who Applies?

When a facility or activity is owned by one person but is operated by another person, it is the operator's duty to obtain a permit, except that the owner shall also sign the permit application.

(c) Completeness.

(1) The Executive Secretary shall not issue a permit before receiving a complete application for a permit except for permit by rule, or emergency permit. An application for a permit is complete when the Executive Secretary receives an application form and any supplemental information which are completed to his satisfaction. An application for a permit is complete notwithstanding the failure of the owner or operator to submit the exposure information described in R315-3-2.1(i). The Executive Secretary may deny a permit for the active life of a hazardous waste management facility or unit before receiving a complete application for a permit.

(2) The Executive Secretary shall review for completeness every permit application. Each permit application submitted by a new hazardous waste management facility, should be reviewed for completeness by the Executive Secretary in accordance with the applicable review periods of 19-6-108. Upon completing the review, the Executive Secretary shall notify the applicant in writing whether the permit application is complete. If the permit application is incomplete, the Executive Secretary shall list the information necessary to make the permit application complete. When the permit application is for an existing hazardous waste management facility, the Executive Secretary shall specify in the notice of deficiency a date for submitting the necessary information. The Executive Secretary shall review information submitted in response to a notice of deficiency within 30 days after receipt. The Executive Secretary shall notify the applicant that the permit application is complete upon receiving this information. After the permit application is complete, the Executive Secretary may request additional information from an applicant but only when necessary to clarify, modify, or supplement previously submitted material.

(3) If an applicant fails or refuses to correct deficiencies in the permit application, the permit application may be denied and appropriate enforcement actions may be taken under the applicable provisions of the Utah Solid and Hazardous Waste Act.

(d) Existing Hazardous Waste Management Facilities and Interim Status Qualifications.

(1) Owners and operators of existing hazardous waste management facilities shall submit part A of their permit application to the Executive Secretary no later than:

(i) Six months after the date of publication of rules which first

require them to comply with the standards set forth in R315-7 or R315-14, or

(ii) Thirty days after the date they first become subject to the standards set forth in R315-7 or R315-14, whichever first occurs.

(iii) For generators generating greater than 100 kilograms of hazardous waste in a calendar month and treats, stores, or disposes of these wastes on-site, by March 24, 1987

For facilities which had to comply with R315-7 because they handle a waste listed in EPA's May 19, 1980, Part 261 regulations, 45 FR 33006 et seq., the deadline for submitting an application was November 19, 1980. Where other existing facilities shall begin complying with R315-7 or R315-14 at a later date because of revisions to R315-1, R315-2, R315-7, or R315-14, the Executive Secretary will specify when those facilities shall submit a permit application.

(2) The Executive Secretary may extend the date by which owners and operators of specified classes of existing hazardous waste management facilities shall submit Part A of their permit application if he finds that there has been substantial confusion as to whether the owners and operators of such facilities were required to file a permit application and such confusion is attributed to ambiguities in R315-1, R315-2, R315-7 or R315-14 of the regulations.

(3) The Executive Secretary may by compliance order issued under 19-6-112 and 19-6-113 extend the date by which the owner and operator of an existing hazardous waste management facility must submit part A of their permit application.

(4) The owner or operator of an existing hazardous waste management facility may be required to submit part B of the permit application. Any owner or operator shall be allowed at least six months from the date of request to submit part B of the application. Any owner or operator of an existing hazardous waste management facility may voluntarily submit part B of the application at any time. Notwithstanding the above, any owner or operator of an existing hazardous waste management facility shall submit a part B application in accordance with the dates specified in R315-3-7.4. Any owner or operator of a land disposal facility in existence on the effective date of statutory or regulatory amendments under R315 that render the facility subject to the requirement to have a permit, shall submit a part B application in accordance with the dates specified in R315-3-7.4.

(5) Failure to furnish a requested part B application on time, or to furnish in full the information required by the part B application, is grounds for termination of interim status under R315-3-4.4.

(e) New Hazardous Waste Management Facilities.

(1) Except as provided in R315-3-2.1(e)(3), no person shall begin physical construction of a new hazardous waste management facility without having submitted part A and part B of the application and having received a finally effective permit.

(2) An application for a permit for a new hazardous waste management facility, including both part A and part B, may be filed any time after promulgation of applicable regulations. The application shall be filed with the Regional Administrator if at the time of application the State has not received final authorization for permitting such facility; otherwise it shall be filed with the Executive Secretary. Except as provided in R315-3-2.1(e)(3), all

applications shall be submitted at least 180 days before physical construction is expected to commence.

(3) Notwithstanding R315-3-2.1(e)(1), a person may construct a facility for the incineration of polychlorinated biphenyls pursuant to an approval issued by the U.S. EPA Administrator under section (6)(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. 2601 et seq., and any person owning or operating such a facility may, at any time after construction or operation of the facility has begun, file an application for a permit to incinerate hazardous waste authorizing the facility to incinerate waste identified or listed in these rules.

(f) Updating permit applications.

(1) If any owner or operator of a hazardous waste management facility has filed part A of a permit application and has not yet filed part B, the owner or operator shall file an amended part A application:

(i) With the Executive Secretary, within six months after the promulgation of revised regulations under 40 CFR 261 listing or identifying additional hazardous wastes, if the facility is treating, storing or disposing of any of those newly listed or identified wastes.

(ii) With the Executive Secretary no later than the effective date of regulatory provisions listing or designating wastes as hazardous in the State in addition to those listed or designated under the previously approved State program, if the facility is treating, storing, or disposing of any of those newly listed or designated wastes; or

(iii) As necessary to comply with changes during interim status, R315-3-7.3. Revised part A applications necessary to comply with the provisions of interim status shall be filed with the Executive Secretary.

(2) The owner or operator of a facility who fails to comply with the updating requirements of R315-3-2.1(f)(1) does not receive interim status as to the wastes not covered by duly filed part A applications.

(g) Reapplications. Any hazardous waste management facility with an effective permit shall submit a new application at least 180 days before the expiration date of the effective permit, unless permission for a later date has been granted by the Executive Secretary. The Executive Secretary shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

(h) Recordkeeping.

Applicants shall keep records of all data used to complete permit application and any supplemental information submitted under R315-3-2.4 through R315-3-2.12, for a period of at least three years from the date the application is signed.

(i) Exposure information.

(1) Any part B permit application submitted by an owner or operator of a facility that stores, treats, or disposes of hazardous waste in a surface impoundment or a landfill shall be accompanied by information, reasonably ascertainable by the owner or operator, on the potential for the public to be exposed to hazardous wastes or hazardous constituents through releases related to the unit. At a minimum, the information shall address:

(i) Reasonably foreseeable potential releases from both normal operations and accidents at the unit, including releases associated with transportation to or from the unit;

(ii) The potential pathways of human exposure to hazardous wastes or constituents resulting from the releases described under R315-3-2.1(i)(1)(i); and

(iii) The potential magnitude and nature of the human exposure resulting from such releases.

(2) Owners and operators of a landfill or a surface impoundment who have already submitted a part B application shall submit the exposure information required in R315-3-2.1(i)(1).

(j) The Executive Secretary may require a permittee or an applicant to submit information in order to establish permit conditions under R315-3-3.3(b)(2), and R315-3-5.1(d).

## 2.2 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS

(a) Applications. All permit applications shall be signed as follows:

(1) For a corporation: by a principal executive officer of at least the level of vice-president;

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency; by either a principal executive officer or ranking elected official.

(b) Reports. All reports required by permits and other information requested by the Executive Secretary shall be signed by a person described in R315-3-2.2(a), or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in R315-3-2.2(a);

(2) The authorization specified either an individual or a position having responsibility for overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and

(3) The written authorization is submitted to the Executive Secretary.

(c) Changes to authorization. If an authorization under R315-3-2.2(b) is no longer accurate because different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of R315-3-2.2(b) shall be submitted to the Executive Secretary prior to or together with any reports, information, or applications to be signed by an authorized representative.

(d)(1) Certification. Any person signing a document under R315-3-2.2(a) or (b) shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

(2) For remedial action plans (RAPs) under R315-3-8, which incorporates by reference 40 CFR 270, subpart H, if the operator certifies according to R315-3-2.2(d)(1), then the owner may choose to make the following certification instead of the certification in R315-3-2.2(d)(1):

"Based on my knowledge of the conditions of the property described in the RAP and my inquiry of the person or persons who manage the system referenced in the operator's certification, or those persons directly responsible for gathering the information, the information submitted is, upon information and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

#### 2.4 CONTENTS OF PART A OF THE PERMIT APPLICATION

All applicants shall provide the following information to the Executive Secretary:

- (a) The activities conducted by the applicant which require it to obtain a hazardous waste operation permit.
- (b) Name, mailing address, and location of the facility for which the application is submitted.
- (c) Up to four SIC codes which best reflect the principal products or services provided by the facility.
- (d) The operator's name, address, telephone number, ownership status, and status as Federal, State, private, public, or other entity.
- (e) The name, address, and telephone number of the owner of the facility.
- (f) Whether the facility is located on Indian lands.
- (g) An indication of whether the facility is new or existing and whether it is a first or revised application.
- (h) For existing facilities, (1) a scale drawing of the facility showing the location of all past, present, and future treatment, storage, and disposal areas; and (2) photographs of the facility clearly delineating all existing structures; existing treatment, storage, and disposal areas; and sites of future treatment, storage, and disposal areas.
- (i) A description of the processes to be used for treating, storing, or disposing of hazardous waste, and the design capacity of these items.
- (j) A specification of the hazardous wastes or hazardous waste mixtures listed or designated under R315-2 to be treated, stored, or disposed at the facility, an estimate of the quantity of these wastes to be treated, stored, or disposed annually, and a general description of the processes to be used for these wastes.
- (k) A listing of all permits or construction approvals received or applied for under any of the following programs:
  - (1) Hazardous Waste Management program under the Utah Solid and Hazardous Waste Act or RCRA.
  - (2) Underground Injection Control (UIC) program under Safe Drinking Water Act (SDWA), 42 U.S.C. 300f et seq.
  - (3) NPDES program under Clean Water Act (CWA), 33 U.S.C. 1251 et seq.
  - (4) Prevention of Significant Deterioration (PSD) program under the Clean Air Act, 42 U.S.C. 7401 et seq.
  - (5) Nonattainment program under the Clean Air Act.

(6) National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act.

(7) Dredge or fill permits under section 404 of the Clean Water Act.

(8) Other relevant environmental permits, including State and Federal permits or permits.

(l) A topographic map, or other map if a topographic map is unavailable, extending one mile beyond the property boundaries of the source, depicting the facility and each of its intake and discharge structures; each of its hazardous waste treatment, storage, or disposal facilities; each well where fluids from the facility are injected underground; and those wells, springs, other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant within 1/4 mile of the facility property boundary.

(m) A brief description of the nature of the business.

(n) For hazardous debris, a description of the debris category(ies) and contaminant category(ies) to be treated, stored, or disposed of at the facility.

(o) The legal description of the facility with reference to the land survey of the State of Utah.

#### 2.5 GENERAL INFORMATION REQUIREMENTS FOR PART B

(a) Part B information requirements presented below reflect the standards promulgated in R315-8. These information requirements are necessary in order for the Executive Secretary to determine compliance with the standards of R315-8. If owners and operators of hazardous waste management facilities can demonstrate that the information prescribed in part B cannot be provided to the extent required, the Executive Secretary may make allowance for submission of the information on a case-by-case basis. Information required in part B shall be submitted to the Executive Secretary and signed in accordance with requirements in R315-3-2.2. Certain technical data, such as design drawings and specifications, and engineering studies shall be certified by a registered professional engineer. For post-closure permits, only the information specified in R315-3-2.19 is required in part B of the permit application.

(b) General information requirements. The following information is required for all hazardous waste management facilities, except as R315-8-1 provides otherwise:

- (1) A general description of the facility,
- (2) Chemical and physical analyses of the hazardous wastes and hazardous debris to be handled at the facility. At a minimum, these analyses shall contain all the information which must be known to treat, store, or dispose of the wastes properly in accordance with R315-8.
- (3) A copy of the waste analysis plan required by R315-8-2.4, which incorporates by reference 40 CFR 264.13 (b) and, if applicable 40 CFR 264.13(c).
- (4) A description of the security procedures and equipment required by R315-8-2.5, or a justification demonstrating the reasons for requesting a waiver of this requirement.
- (5) A copy of the general inspection schedule required by R315-8-2.6(b). Include, where applicable, as part of the inspection schedule, specific requirements in R315-8-9.5, R315-8-10, which incorporates by reference the specific provisions of 40

CFR 264.193(i) and 264.195, R315-8-11.3, R315-8-12.3, R315-8-13.4, R315-8-14.3, and R315-8-16, which incorporates by reference 40 CFR 264.602, R315-8-17, which incorporates by reference 40 CFR 264.1033, R315-8-18, which incorporates by reference 40 CFR 264.1052, 264.1053, and 264.1058, and R315-8-22, which incorporates by reference 40 CFR 264.1084, 264.1085, 264.1086, and 264.1088.

(6) A justification of any request for a waiver(s) of the preparedness and prevention requirements of R315-8-3.

(7) A copy of the contingency plan required by R315-8-4. Include, where applicable, as part of the contingency plan, specific requirements in R315-8-11.8 and R315-8-10, which incorporates by reference 40 CFR 264.200.

(8) A description of procedures, structures, or equipment used at the facility to:

(i) Prevent hazards in unloading operations, for example, ramps, special forklifts;

(ii) Prevent run-off from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding, for example, berms, dikes, trenches;

(iii) Prevent contamination of water supplies;

(iv) Mitigate effects of equipment failure and power outages;

(v) Prevent undue exposure of personnel to hazardous waste, for example, protective clothing; and

(vi) Prevent releases to the atmosphere.

(9) A description of precautions to prevent accidental ignition or reaction of ignitable, reactive, or incompatible wastes as required to demonstrate compliance with R315-8-2.8 including documentation demonstrating compliance with R315-8-2.8(c).

(10) Traffic pattern, estimated volume, number, types of vehicles and control, for example, show turns across traffic lanes, and stacking lanes, if appropriate; describe access road surfacing and load bearing capacity; show traffic control signals.

(11) Facility location information:

(i) In order to determine the applicability of the seismic standard R315-8-2.9(a), the owner or operator of a new facility shall identify the political jurisdiction, e.g., county, township, or election district, in which the facility is proposed to be located. If the county or election district is not listed in R315-50-11, no further information is required to demonstrate compliance with R315-8-2.9(a).

(ii) If the facility is proposed to be located in an area listed in R315-50-11, the owner or operator shall demonstrate compliance with the seismic standard. This demonstration may be made using either published geologic data or data obtained from field investigations carried out by the applicant. The information provided shall be of a quality to be acceptable to geologists experienced in identifying and evaluating seismic activity. The information submitted shall show that either:

(A) No faults which have had displacement in Holocene time are present, or no lineations which suggest the presence of a fault, which have displacement in Holocene time, within 3,000 feet of a facility are present, based on data from:

(I) Published geologic studies,

(II) Aerial reconnaissance of the area within a five mile radius from the facility,

(III) An analysis of aerial photographs covering a 3,000 foot radius of the facility, and

(IV) If needed to clarify the above data, a reconnaissance based on walking portions of the area within 3,000 feet of the facility, or

(B) If faults, to include lineations, which have had displacement in Holocene time are present within 3,000 feet of a facility, no faults pass within 200 feet of the portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted, based on data from a comprehensive geologic analysis of the site. Unless a site analysis is otherwise conclusive concerning the absence of faults within 200 feet of the portions of the facility, data shall be obtained from a subsurface exploration, trenching, of the area within a distance no less than 200 feet from portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted. The trenching shall be performed in a direction that is perpendicular to known faults, which have had displacement in Holocene time, passing within 3,000 feet of the portions of the facility where treatment, storage, and disposal of hazardous waste will be conducted. The investigation shall document with supporting maps and other analyses, the location of any faults found. The Guidance Manual for the Location Standards provides greater detail on the content of each type of seismic investigation and the appropriate conditions under which each approach or a combination of approaches would be used.

(iii) Owners and operators of all facilities shall provide an identification of whether the facility is located within a 100-year floodplain. This identification shall indicate the source of data for the determination and include a copy of the relevant Federal Insurance Administration (FIA) flood map, if used, or the calculations and maps used where an FIA map is not available. Information shall also be provided identifying the 100-year flood level and any other special flooding factors, e.g., wave action, which shall be considered in designing, constructing, operating, or maintaining the facility to withstand washout from a 100-year flood.

Where maps for the National Flood Insurance Program produced by the Federal Insurance Administration (FIA) of the Federal Emergency Management Agency are available, they will normally be determinative of whether a facility is located within or outside of the 100-year floodplain. However, where the FIA map excludes an area, usually areas of the floodplain less than 200 feet in width, these areas shall be considered and a determination made as to whether they are in the 100-year floodplain. Where FIA maps are not available for a proposed facility location, the owner or operator shall use equivalent mapping techniques to determine whether the facility is within the 100-year floodplain, and if so located, what the 100-year flood elevation would be.

(iv) Owners and operators of facilities located in the 100-year floodplain shall provide the following information:

(A) Engineering analysis to indicate the various hydrodynamic and hydrostatic forces expected to result at the site as a consequence of a 100-year flood.

(B) Structural or other engineering studies showing the design of operational units, e.g., tanks, incinerators, and flood protection devices, e.g., floodwalls, dikes, at the facility and how these will prevent washout.

(C) If applicable, and in lieu of R315-3-2.5(b)(11)(iv)(A) and (B), a detailed description of procedures to be followed to remove hazardous waste to safety before the facility is flooded, including:

(I) Timing of the movement relative to flood levels, including estimated time to move the waste, to show that the movement can be completed before floodwaters reach the facility.

(II) A description of the location(s) to which the waste will be moved and demonstration that those facilities will be eligible to receive hazardous waste in accordance with the rules under R315-3, R315-7, R315-8, and R315-14.

(III) The planned procedures, equipment, and personnel to be used and the means to ensure that the resources will be available in time for use.

(IV) The potential for accidental discharges of the waste during movement.

(v) Existing facilities NOT in compliance with R315-8-2.9(b) shall provide a plan showing how the facility will be brought into compliance and a schedule for compliance.

(12) An outline of both the introductory and continuing training programs by owners or operators to prepare persons to operate or maintain the hazardous waste management facility in a safe manner as required to demonstrate compliance with R315-8-2.7. A brief description of how training will be designed to meet actual job tasks in accordance with requirements in R315-8-2.7(a)(3).

(13) A copy of the closure plan and where applicable, the post-closure plan required by R315-8-7 which incorporates by reference 40 CFR 264.112, and 264.118, and R315-8-10 which incorporates by reference 40 CFR 264.197. Include where applicable as part of the plans specific requirements in R315-8-9.9, R315-8-10, which incorporates by reference 40 CFR 264.197, R315-8-11.5, R315-8-12.6, R315-8-13.8, R315-8-14.5, R315-8-15.8, and R315-8-16, which incorporates by reference 40 CFR 264.601 and 264.603.

(14) For hazardous waste disposal units that have been closed, documentation that notices required under R315-8-7 which incorporates by reference 40 CFR 264.119, have been filed.

(15) The most recent closure cost estimate for the facility prepared in accordance with R315-8-8 which incorporates by reference 40 CFR 264.142, and a copy of the documentation required to demonstrate financial assurance under R315-8-8 which incorporates by reference 40 CFR 264.143. For a new facility, a copy of the required documentation may be submitted 60 days prior to the initial receipt of hazardous wastes, if that is later than the submission of the part B.

(16) Where applicable, the most recent post-closure cost estimate for the facility prepared in accordance with R315-8-8, which incorporates by reference 40 CFR 264.144, plus a copy of the financial assurance mechanism adopted in compliance with R315-8-8.3 documentation required to demonstrate financial assurance under R315-8-8, which incorporates by reference 40 CFR 264.145. For a new facility, a copy of the required documentation may be submitted 60 days prior to the initial receipt of hazardous wastes, if that is later than the submission of the part B.

(17) Where applicable, a copy of the insurance policy or other documentation which comprises compliance with the requirements

of R315-8-8, which incorporates by reference 40 CFR 264.147. For a new facility, documentation showing the amount of insurance meeting the specification of R315-8-8, which incorporates by reference 40 CFR 264.147(a), and if applicable 40 CFR 264.147(b), also incorporated by reference in R315-8-8, that the owner or operator plans to have in effect before initial receipt of hazardous waste for treatment, storage, or disposal. A request for a variance in the amount of required coverage, for a new or existing facility, may be submitted as specified in 40 CFR 264.147(c), incorporated by reference in R315-8-8.

(18) Where appropriate, proof of coverage by a financial mechanism as required in R315-8-8, which incorporates by reference 40 CFR 264.149 and 150.

(19) A topographic map showing a distance of 1000 feet around the facility at a scale of 2.5 centimeters, one inch, equal to not more than 61.0 meters, 200 feet. For large hazardous waste management facilities, the Executive Secretary will allow the use of other scales on a case-by-case basis. Contours shall be shown on the map. The contour interval shall be sufficient to clearly show the pattern of surface water flow in the vicinity of and from each operational unit of the facility. For example, contours with an interval of 1.5 meters, five feet, if relief is greater than 6.1 meters, 20 feet, or an interval of 0.6 meters, two feet, if relief is less than 6.1 meters, 20 feet. Owners and operators of hazardous waste management facilities located in mountainous areas should use larger contour intervals to adequately show topographic profiles of facilities. The map shall clearly show the following:

- (i) Map scale and date.
  - (ii) 100-year floodplain area.
  - (iii) Surface waters including intermittent streams.
  - (iv) Surrounding land uses, residential, commercial, agricultural, recreational.
  - (v) A wind rose, i.e., prevailing windspeed and direction.
  - (vi) Orientation of map, north arrow.
  - (vii) Legal boundaries of the hazardous waste management facility site.
  - (viii) Access control, fences, gates.
  - (ix) Injection and withdrawal wells both on-site and off-site.
  - (x) Buildings; treatment, storage, or disposal operations; or other structures, recreation areas, run-off control systems, access and internal roads, storm, sanitary, and process sewerage systems, loading and unloading areas, fire control facilities, etc.
  - (xi) Barriers for drainage or flood control.
  - (xii) Location of operational units within hazardous waste management facility site, where hazardous waste is, or will be, treated, stored, or disposed, include equipment cleanup areas.
- (20) Applicants may be required to submit such information as may be necessary to enable the Executive Secretary and the Board to carry out duties under State laws and Federal laws as specified in 40 CFR 270.3.
- (21) For land disposal facilities, if a case-by-case extension has been approved under R315-13, which incorporates by reference 40 CFR 268.5, or a petition has been approved under R315-13, which incorporates by reference 40 CFR 268.6, a copy of the notice of approval for the extension is required.
- (22) A summary of the pre-application meeting, along with a list

of attendees and their addresses, and copies of any written comment or materials submitted at the meeting, as required under R315-4-2.31(c).

(c) Additional information requirements.

The following additional information regarding protection of groundwater is required from owners or operators of hazardous waste facilities containing a regulated unit except as otherwise provided in R315-8-6.1(b).

(1) A summary of the groundwater monitoring data obtained during the interim status period under R315-7-13 where applicable.

(2) Identification of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility property, including groundwater flow direction and rate, and the basis for the identification, i.e., the information obtained from hydrogeologic investigations of the facility area.

(3) On the topographic map required under R315-3-2.5(b)(19), a delineation of the waste management area, the property boundary, the proposed "point of compliance" as defined in R315-8-6.6, the proposed location of groundwater monitoring wells as required by R315-8-6.8 and, to the extent possible, the information required in R315-3-2.5(c)(2);

(4) A description of any plume of contamination that has entered the groundwater from a regulated unit at the time that the application is submitted that:

(i) Delineates the extent of the plume on the topographic map required under R315-3-2.5(b)(19);

(ii) Identifies the concentration of each constituent listed in R315-50-14, which incorporates by reference Appendix IX of 40 CFR 264, throughout the plume or identifies the maximum concentrations of each constituent listed in R315-50-14 in the plume.

(5) Detailed plans and an engineering report describing the proposed groundwater monitoring program to be implemented to meet the requirements of R315-8-6.8.

(6) If the presence of hazardous constituents has not been detected in the groundwater at the time of permit application, the owner or operator shall submit sufficient information, supporting data, and analyses to establish a detection monitoring program which meets the requirements of R315-8-6.9. This submission shall address the following items as specified under R315-8-6.9:

(i) A proposed list of indicator parameters, waste constituents, or reaction products that can provide a reliable indication of the presence of hazardous constituents in the groundwater;

(ii) A proposed groundwater monitoring system;

(iii) Background values for each proposed monitoring parameters or constituent, or procedures to calculate the values; and

(iv) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating groundwater monitoring data.

(7) If the presence of hazardous constituents has been detected in the groundwater at the point of compliance at the time of permit application, the owner or operator shall submit sufficient information, supporting data, and analyses to establish a compliance monitoring program which meets the requirements of R315-8-6.10. Except as provided in R315-8-6.9(g)(5), the owner or operator

shall also submit an engineering feasibility plan for a corrective action program necessary to meet the requirements of R315-8-6.11, unless the owner or operator obtains written authorization in advance from the Executive Secretary to submit a proposed permit schedule for submittal of a plan. To demonstrate compliance with R315-8-6.10, the owner or operator shall address the following items:

(i) A description of the wastes previously handled at the facility;

(ii) A characterization of the contaminated groundwater, including concentrations of hazardous constituents;

(iii) A list of hazardous constituents for which compliance monitoring will be undertaken in accordance with R315-8-6.8 and R315-8-6.10;

(iv) Proposed concentration limits for each hazardous constituent, based on the criteria set forth in R315-8-6.5(a) including a justification for establishing any alternate concentration limits;

(v) Detailed plans and an engineering report describing the proposed groundwater monitoring system, in accordance with the requirements of R315-8-6.8, and

(vi) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating groundwater monitoring data.

(8) If hazardous constituents have been measured in the groundwater which exceed the concentration limits established under R315-8-6.5 Table 1, or if groundwater monitoring conducted at the time of permit application under R315-8-6.1 through R315-8-6.5 at the waste boundary indicates the presence of hazardous constituents from the facility in groundwater over background concentrations, the owner or operator shall submit sufficient information, supporting data, and analyses to establish a corrective action program which meets the requirements of R315-8-6.11. However, an owner or operator is not required to submit information to establish a corrective action program if he demonstrates to the Executive Secretary that alternate concentration limits will protect human health and the environment after considering the criteria listed in R315-8-6.5(b). An owner or operator who is not required to establish a corrective action program for this reason shall instead submit sufficient information to establish a compliance monitoring program which meets the requirements of R315-8-6.10 and R315-3-2.5(c)(6). To demonstrate compliance with R315-8-6.11, the owner or operator shall address, at a minimum, the following items:

(i) A characterization of the contaminated groundwater, including concentration of hazardous constituents;

(ii) The concentration limit for each hazardous constituent found in the groundwater as set forth in R315-8-6.5;

(iii) Detailed plans and engineering report describing the corrective action to be taken; and

(iv) A description of how the groundwater monitoring program will assess the adequacy of the corrective action.

(v) The permit may contain a schedule for submittal of the information required in R315-3-2.5(c)(8)(iii) and (iv) provided the owner or operator obtains written authorization from the Executive Secretary prior to submittal of the complete permit application.

(9) An intended schedule of construction shall be submitted with



the permit application and will be incorporated into the permit as an approval condition. Facility permits shall be reviewed by the Executive Secretary no later than 18 months from the date of permit issuance, and periodically thereafter, to determine if a program of continuous construction is proceeding. Failure to maintain a program of continuous construction may result in revocation of the permit.

(d) Information requirements for solid waste management units.

(1) The following information is required for each solid waste management unit at a facility seeking a permit:

(i) The location of the unit on the topographic map required under R315-3-2.5(b)(19);

(ii) Designation of type of unit;

(iii) General dimensions and structural description, supply any available drawings;

(iv) When the unit was operated; and

(v) Specification of all wastes that have been managed at the unit, to the extent available.

(2) The owner or operator of any facility containing one or more solid waste management units shall submit all available information pertaining to any release of hazardous wastes or hazardous constituents from the unit or units.

(3) The owner or operator shall conduct and provide the results of sampling and analysis of groundwater, land surface, and subsurface strata, surface water, or air, which may include the installation of wells, where the Executive Secretary ascertains it is necessary to complete a RCRA Facility Assessment that will determine if a more complete investigation is necessary.

#### **2.6 SPECIFIC PART B INFORMATION REQUIREMENTS FOR CONTAINERS**

Facilities that store containers of hazardous waste, except as otherwise provided in R315-8-9.1, shall provide the following additional information:

(a) A description of the containment system to demonstrate compliance with R315-8-9.6. Show at least the following:

(1) Basic design parameters, dimensions, and materials of construction.

(2) How the design promotes drainage or how containers are kept from contact with standing liquids in the containment system.

(3) Capacity of the containment system relative to the number and volume of containers to be stored.

(4) Provisions for preventing or managing run-on.

(5) How accumulated liquids can be analyzed and removed to prevent overflow.

(b) For storage areas that store containers holding wastes that do not contain free liquids, a demonstration of compliance with R315-8-9.6(c) including:

(1) Test procedures and results or other documentation or information to show that the wastes do not contain free liquids; and

(2) A description of how the storage area is designed or operated to drain and remove liquids or how containers are kept from contact with standing liquids.

(c) Sketches, drawings, or data demonstrating compliance with R315-8-9.7, location of buffer zone and containers holding ignitable or reactive wastes, and R315-8-9.8(c), location of incompatible wastes, where applicable.

(d) Where incompatible wastes are stored or otherwise managed in containers, a description of the procedures used to ensure compliance with R315-8-9.8(a) and (b) and R315-8-2.8(b) and (c).

(e) Information on air emission control equipment as required in R315-3-2.18, which incorporates by reference 40 CFR 270.27.

#### **2.7 SPECIFIC PART B INFORMATION REQUIREMENTS FOR TANK SYSTEMS**

For facilities that use tanks to store or treat hazardous waste, the requirements of 40 CFR 270.16, 1996 ed., are adopted and incorporated by reference.

#### **2.8 SPECIFIC PART B INFORMATION REQUIREMENTS FOR SURFACE IMPOUNDMENTS**

Facilities that store, treat, or dispose of hazardous waste in surface impoundments, except as otherwise provided in R315-8-1.1, shall provide the following additional information:

(a) A list of the hazardous wastes placed or to be placed in each surface impoundment;

(b) Detailed plans and an engineering report describing how the surface impoundment is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-2.10, R315-8-11.2, R315-8-11.9, R315-8-11.10, addressing the following items:

(1) The liner system, except for an existing portion of a surface impoundment. If an exemption from the requirement for a liner is sought as provided by R315-8-11.2(b), submit detailed plans and engineering and hydrogeologic reports, as appropriate, describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the groundwater or surface water at any future time;

(2) The double liner and leak, leachate, detection, collection, and removal system, if the surface impoundment must meet the requirements of R315-8-11.2(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by R315-8-11.2(d), (e), or (f), submit appropriate information;

(3) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;

(4) The construction quality assurance, CQA, plan if required under R315-8-2.10;

(5) Proposed action leakage rate, with rationale, if required under R315-8-11.9, and response action plan, if required under R315-8-11.10;

(6) Prevention of overtopping; and

(7) Structural integrity of dikes.

(c) A description of how each surface impoundment, including the double liner, leak detection system, cover system, and appurtenances for control of overtopping, will be inspected in order to meet the requirements of R315-8-11.3(a), (b), and (d). This information should be included in the inspection plan submitted under R315-3-2.5(b)(5);

(d) A certification by a qualified engineer which attests to the structural integrity of each dike, as required under R315-8-11.3(c). For new units, the owner or operator shall submit a statement by a

qualified engineer that he will provide a certification upon completion of construction in accordance with the plans and specifications;

(e) A description of the procedure to be used for removing a surface impoundment from service, as required under R315-8-11.4(b) and (c). This information should be included in the contingency plan submitted under R315-3-2.5(b)(7);

(f) A description of how hazardous waste residues and contaminated materials will be removed from the unit at closure, as required under R315-8-11.5(a)(1). For any wastes not to be removed from the unit upon closure, the owner or operator shall submit detailed plans and an engineering report describing how R315-8-11.5(a)(2) and (b) will be complied with. This information should be included in the closure plan, and, where applicable, the post-closure plan submitted under R315-3-2.5(b)(13);

(g) If ignitable or reactive wastes are to be placed in a surface impoundment, an explanation of how R315-8-11.6 will be complied with;

(h) If incompatible wastes, or incompatible wastes and materials will be placed in a surface impoundment, an explanation of how R315-8-11.7 will be complied with.

(i) A waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how the surface impoundment is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-11.8. This submission shall address the following items as specified in R315-8-11.8:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

(j) Information on air emission control equipment as required by R315-3-2.18, which incorporates by reference 40 CFR 270.27.

## **2.9 SPECIFIC PART B INFORMATION REQUIREMENTS FOR WASTE PILES**

Facilities that store or treat hazardous waste in waste piles, except as otherwise provided in R315-8-1, shall provide the following additional information:

(a) A list of hazardous wastes placed or to be placed in each waste pile;

(b) If an exemption is sought to R315-8-12.2 and R315-8-6 as provided by R315-8-12.1(c) or R315-8-6(b)(2), an explanation of how the standards of R315-8-12.1(c) will be complied with or detailed plans and an engineering report describing how the requirements of R315-8-6(b)(2) will be met.

(c) Detailed plans and an engineering report describing how the waste pile is or will be designed, constructed, operated and maintained to meet the requirements of R315-8-2.10, R315-8-12.2, R315-8-12.8, and R315-8-12.9, addressing the following items:

(1)(i) The liner system, except for an existing portion of a waste

pile, if the waste pile must meet the requirements of R315-8-12.2(a). If an exemption from the requirement for a liner is sought as provided by R315-8-12.2(b), submit detailed plans, and engineering and hydrogeological reports, as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground water or surface water at any future time;

(ii) The double liner and leak, leachate, detection, collection, and removal system, if the waste pile must meet the requirements of R315-8-12.2(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by R315-8-12.2(d), (e), or (f), submit appropriate information;

(iii) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;

(iv) The construction quality assurance (CQA) plan if required under R315-8-2.10;

(v) Proposed action leakage rate, with rationale, if required under R315-8-12.8, and response action plan, if required under R315-8-12.9;

(2) Control of run-on;

(3) Control of run-off;

(4) Management of collection and holding units associated with run-on and run-off control systems; and

(5) Control of wind dispersal of particulate matter, where applicable;

(d) A description of how each waste pile, including the double liner system, leachate collection and removal system, leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of R315-8-12.3(a), (b), and (c). This information shall be included in the inspection plan submitted under R315-3-2.5(b)(5);

(e) If treatment is carried out on or in the pile, details of the process and equipment used, and the nature and quality of the residuals;

(f) If ignitable or reactive wastes are to be placed in a waste pile, an explanation of how the requirements of R315-8-12.4 will be complied with;

(g) If incompatible wastes, or incompatible wastes and materials will be placed in a waste pile, an explanation of how R315-8-12.5 will be complied with;

(h) A description of how hazardous waste residues and contaminated materials will be removed from the waste pile at closure, as required under R315-8-12.6(a). For any waste not to be removed from the waste pile upon closure, the owner or operator shall submit detailed plans and an engineering report describing how R315-8-14.5(a) and (b) will be complied with. This information should be included in the closure plan, and, where applicable, the post-closure plan submitted under R315-3-2.5(b)(13);

(i) A waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026 and F027 describing how a waste pile that is not enclosed, as defined in R315-8-12.1(c) is or will be

designed, constructed, operated, and maintained to meet the requirements of R315-8-12.7. This submission shall address the following items as specified in R315-8-12.7:

- (1) The volume, physical, and chemical characteristics of the wastes to be disposed in the waste pile, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
- (2) The attenuative properties of underlying and surrounding soils or other materials;
- (3) The mobilizing properties of other materials co-disposed with these wastes; and
- (4) The effectiveness of additional treatment, design, or monitoring techniques.

#### 2.10 SPECIFIC PART B INFORMATION REQUIREMENTS FOR INCINERATORS

For facilities that incinerate hazardous waste, except as R315-8-15.1 and R315-3-2.10(e) provides otherwise, the applicant shall fulfill the requirements of R315-3-2.10(a), (b), or (c).

(a) When seeking exemption under R315-8-15.1(b) or (c) (ignitable, corrosive or reactive wastes only):

(1) Documentation that the waste is listed as a hazardous waste in R315-2-10 solely because it is ignitable, Hazard Code I, corrosive, Hazard Code C, or both; or

(2) Documentation that the waste is listed as a hazardous waste in R315-2-10 solely because it is reactive, Hazard Code R, for characteristics other than those listed in R315-2-9(f)(1)(iv) and (v), and will not be burned when other hazardous wastes are present in the combustion zone; or

(3) Documentation that the waste is a hazardous waste solely because it possesses the characteristic of ignitability, corrosivity, or both, as determined by the tests for characteristics of hazardous wastes under R315-2-9; or

(4) Documentation that the waste is a hazardous waste solely because it possesses the reactivity characteristics listed in R315-2-9(f)(i), (ii), (iii), (vi), (vii), or (viii) and that it will not be burned when other hazardous wastes are present in the combustion zone; or

(b) Submit a trial burn plan or the results of the trial burn, including all required determinations, in accordance with R315-3-6.3; or

(c) In lieu of a trial burn, the applicant may submit the following information:

(1) An analysis of each waste or mixture of wastes to be burned including:

(i) Heat value of the waste in the form and composition in which it will be burned.

(ii) Viscosity, if applicable, or description of physical form of the waste.

(iii) An identification of any hazardous organic constituents listed in R315-50-10, which incorporates by reference 40 CFR part 261 Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in R315-50-10, which incorporates by reference 40 CFR 261 Appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis shall be identified and the basis for their exclusion stated. The waste analysis shall rely on analytical techniques specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical

Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, see R315-1-2, or their equivalent.

(iv) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, see R315-1-2.

(v) A quantification of those hazardous constituents in the waste which may be designated as POHC's based on data submitted from other trial or operational burns which demonstrate compliance with the performance standard in R315-8-15.4.

(2) A detailed engineering description of the incinerator, including:

(i) Manufacturer's name and model number of incinerator.

(ii) Type of incinerator.

(iii) Linear dimension of incinerator unit including cross sectional area of combustion chamber.

(iv) Description of auxiliary fuel system, type/feed.

(v) Capacity of prime mover.

(vi) Description of automatic waste feed cutoff system(s).

(vii) Stack gas monitoring and pollution control monitoring system.

(viii) Nozzle and burner design.

(ix) Construction materials.

(x) Location and description of temperature, pressure, and flow indicating devices and control devices.

(3) A description and analysis of the waste to be burned compared with the waste for which data from operational or trial burns are provided to support the contention that a trial burn is not needed. The data should include those items listed in R315-3-2.10(c)(1). This analysis should specify the POHC's which the applicant has identified in the waste for which a permit is sought, and any differences from the POHC's in the waste for which burn data are provided.

(4) The design and operating conditions of the incinerator unit to be used, compared with that for which comparative burn data are available.

(5) A description of the results submitted from any previously conducted trial burn(s) including:

(i) Sampling and analysis techniques used to calculate performance standards in R315-8-15.4.

(ii) Methods and results of monitoring temperatures, waste feed rates, air feed rates, and carbon monoxide, and an appropriate indicator of combustion gas velocity, including a statement concerning the precision and accuracy of this measurement,

(6) The expected incinerator operation information to demonstrate compliance with R315-8-15.4 and R315-8-15.6 including:

(i) Expected carbon monoxide (CO) level in the stack exhaust gas.

(ii) Waste feed rate.

(iii) Combustion zone temperature.

(iv) Indication of combustion gas velocity.

(v) Expected stack gas volume, flow rate, and temperature.

(vi) Computed residence time for waste in the combustion

zone.

- (vii) Expected hydrochloric acid removal efficiency.
- (viii) Expected fugitive emissions and their control procedures.
- (ix) Proposed waste feed cut-off limits based on the identified significant operating parameters.

(7) Any supplemental information as the Executive Secretary finds necessary to achieve the purposes of this paragraph.

(8) Waste analysis data, including that submitted in R315-3-2.10(c)(1), sufficient to allow the Executive Secretary to specify as permit Principal Organic Hazardous Constituents (POHC's) those constituents for which destruction and removal efficiencies will be required.

(d) The Executive Secretary shall approve a permit application without a trial burn if he finds that:

- (1) The wastes are sufficiently similar; and
- (2) The incinerator units are sufficiently similar, and the data from other trial burns are adequate to specify, under R315-8-15.6, operating conditions that will ensure that the performance standards in R315-8-15.4 will be met by the incinerator.

(e) When an owner or operator demonstrates compliance with the air emission standards and limitations in R307-214-2, which incorporates by reference 40 CFR 63, subpart EEE (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), the requirements of R315-3-2.10 do not apply. Nevertheless, the Executive Secretary may apply the provisions of R315-3-2.10, on a case-by-case basis, for purposes of information collection in accordance with R315-3-2.1(j) and R315-3-3.3(b)(2).

## 2.11 SPECIFIC PART B INFORMATION REQUIREMENTS FOR LAND TREATMENT FACILITIES

Facilities that use land treatment to dispose of hazardous waste, except as otherwise provided in R315-8-1.1, shall provide the following additional information:

(a) A description of plans to conduct a treatment demonstration as required under R315-8-13.3. The description shall include the following information:

- (1) The wastes for which the demonstration will be made and the potential hazardous constituents in the wastes;
- (2) The data sources to be used to make the demonstration, e.g., literature, laboratory data, field data, or operating data;
- (3) Any specific laboratory or field test that will be conducted, including:
  - (i) The type of test, e.g., column leaching, degradation;
  - (ii) Materials and methods, including analytical procedures;
  - (iii) Expected time for completion;
  - (iv) Characteristics of the unit that will be simulated in the demonstration, including treatment zone characteristics, climatic conditions, and operating practices;

(b) A description of a land treatment program, as required under R315-8-13.2. This information shall be submitted with the plans for the treatment demonstration, and updated following the treatment demonstration. The land treatment program shall address the following items:

- (1) The wastes to be land treated;
- (2) Design measures and operating practices necessary to maximize treatment in accordance with R315-8-13.4(a) including:

- (i) Waste application method and rate;
- (ii) Measures to control soil pH;
- (iii) Enhancement of microbial or chemical reactions;
- (iv) Control of moisture content.
- (3) Provisions for unsaturated zone monitoring including:
  - (i) Sampling equipment, procedures and frequency;
  - (ii) Procedures for selecting sampling locations;
  - (iii) Analytical procedures;
  - (iv) Chain of custody control;
  - (v) Procedures for establishing background values;
  - (vi) Statistical methods for interpreting results;
  - (vii) The justification for any hazardous constituents recommended for selection as principal hazardous constituents, in accordance with the criteria for the selection in R315-8-13.6(a);
- (4) A list of hazardous constituents reasonably expected to be in, or derived from, the wastes to be land treated based on waste analysis performed pursuant to R315-8-2.4, which incorporates by reference 40 CFR 264.13;
- (5) The proposed dimensions of the treatment zone;
- (c) A description of how the unit is or will be designed, constructed, operated, and maintained in order to meet the requirements of R315-8-13.4. This submission shall address the following items:
  - (1) Control of run-on;
  - (2) Collection and control of run-off;
  - (3) Minimization of run-off of hazardous constituents from the treatment zone;
  - (4) Management of collection and holding facilities associated with run-on and run-off control systems;
  - (5) Periodic inspection of the unit. This information should be included in the inspection plan submitted under R315-3-2.5(b)(5).
  - (6) Control of wind dispersal of particulate matter, if applicable;
  - (d) If food-chain crops are to be grown in or on the treatment zone of the land treatment unit, a description of how the demonstration required under R315-8-13.5(a) will be conducted including:
    - (1) Characteristics of the food-chain crop for which the demonstration will be made;
    - (2) Characteristics of the waste, treatment zone, and waste application method and rate to be used in the demonstration;
    - (3) Procedures for crop growth, sample collection, sample analysis, and data evaluation;
    - (4) Characteristics of the comparison crop including the location and conditions under which it was or will be grown.
  - (e) If food-chain crops are to be grown, and cadmium is present in the land treated waste, a description of how the requirements of R315-8-13.5(b) will be complied with;
  - (f) A description of the vegetative cover to be applied to closed portions of the facility, and a plan for maintaining such cover during the post-closure care period, as required under R315-8-13.8(a)(8) and R315-8-13.8(c)(2). This information should be included in the closure plan, and, where applicable, the post-closure care plan submitted under R315-3-2.5(b)(13).
  - (g) If ignitable or reactive wastes will be placed in or on the treatment zone, an explanation of how the requirements of R315-8-

13.9 will be complied with;

(h) If incompatible wastes, or incompatible wastes and materials, will be placed in or on the same treatment zone, an explanation of how R315-8-13.10 will be complied with.

(i) A waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how a land treatment facility is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-13.11. This submission shall address the following items as specified in R315-8-13.11:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

## **2.12 SPECIFIC PART B INFORMATION REQUIREMENTS FOR LANDFILLS**

Facilities that dispose of hazardous waste in landfills, except as otherwise provided in R315-8-1.1, shall provide the following additional information:

(a) A list of the hazardous wastes placed or to be placed in each landfill or landfill cell;

(b) Detailed plans and an engineering report describing how the landfill is designed and is or will be constructed, operated, and maintained to comply with the requirements of R315-8-2.10, R315-8-14.2., R315-8-14.3, and R315-8-14.12, addressing the following items:

(1)(i) The liner system, except for an existing portion of a landfill, if the landfill must meet the requirements of R315-8-14.2(a). If an exemption from the requirement for a liner is sought as provided by R315-8-14.2(b), submit detailed plans, and engineering and hydrogeological reports, as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the groundwater or surface water at any future time;

(ii) The double liner and leak (leachate) detection, collection, and removal system, if the landfill must meet the requirements of R315-8-14.2(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by R315-8-14.2(d), (e), or (f), submit appropriate information;

(iii) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;

(iv) The construction quality assurance, CQA, plan if required under R315-8-2.10;

(v) Proposed action leakage rate, with rationale, if required under R315-8-14.12, and response action plan, if required under R315-8-14.3;

(2) Control of run-on;

(3) Control of run-off;

(4) Management of collection and holding facilities associated with run-on and run-off control systems; and

(5) Control of wind dispersal of particulate matter, where applicable.

(c) A description of how each landfill, including the double liner system, leachate collection and removal system, leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of R315-8-14.3(a), (b), and (c). This information shall be included in the inspection plan submitted under R315-3-2.5(b)(5);

(d) A description of how each landfill, including the liner and cover systems, will be inspected in order to meet the requirements of R315-8-14.3(a) and (b). This information should be included in the inspection plan submitted under R315-3-2.5(b)(5).

(e) Detailed plans and engineering report describing the final cover which will be applied to each landfill or landfill cell at closure in accordance with R315-8-14.5(a), and a description of how each landfill will be maintained and monitored after closure in accordance with R315-8-14.5(b). This information should be included in the closure and post-closure plans submitted under R315-3-2.5(b)(13).

(f) If ignitable or reactive wastes will be landfilled, an explanation of how the requirements of R315-8-14.6 will be complied with;

(g) If incompatible wastes, or incompatible wastes and materials will be landfilled, an explanation of how R315-8-14.7 will be complied with;

(h) If bulk or non-containerized liquid waste or wastes containing free liquids is to be landfilled prior to May 8, 1985, an explanation of how the requirements of R315-8-14.8(a) will be complied with;

(i) If containers of hazardous waste are to be landfilled, an explanation of how the requirements of R315-8-14.9 or R315-8-14.10 as applicable, will be complied with.

(j) A waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how a landfill is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-14.11. This submission shall address the following items as specified in R315-8-14.11:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

## **2.13 SPECIFIC PART B INFORMATION REQUIREMENTS FOR BOILERS AND INDUSTRIAL FURNACES BURNING HAZARDOUS WASTE**

For facilities that burn hazardous wastes in boilers and industrial furnaces which R315-14-7 applies, which incorporates by reference 40 CFR subpart H, 266.100 through 266.112, the requirements of 40 CFR 270.22, 2000 ed., are adopted and

incorporated by reference with the following exception:

Substitute "Executive Secretary" for "Director."

#### **2.14 SPECIFIC PART B INFORMATION**

##### **REQUIREMENTS FOR MISCELLANEOUS UNITS**

Facilities that treat, store or dispose of hazardous waste in miscellaneous units except as otherwise provided in R315-8-16, which incorporates by reference 40 CFR 264.600, shall provide the following additional information:

(a) A detailed description of the unit being used or proposed for use, including the following:

(1) Physical characteristics, materials of construction, and dimensions of the unit;

(2) Detailed plans and engineering reports describing how the unit will be located, designed, constructed, operated, maintained, monitored, inspected, and closed to comply with the requirements of R315-8-16, which incorporates by reference 40 CFR 264.601 and 264.602; and

(3) For disposal units, a detailed description of the plans to comply with the post-closure requirements of R315-8-16, which incorporates by reference 40 CFR 264.603.

(b) Detailed hydrologic, geologic, and meteorologic assessments and land-use maps for the region surrounding the site that address and ensure compliance of the unit with each factor in the environmental performance standards of R315-8-16, which incorporates by reference 40 CFR 264.601. If the applicant can demonstrate that he does not violate the environmental performance standards of R315-8-16, which incorporates by reference 40 CFR 264.601 and the Executive Secretary agrees with such demonstration, preliminary hydrologic, geologic, and meteorologic assessments will suffice.

(c) Information on the potential pathways of exposure of humans or environmental receptors to hazardous waste or hazardous constituents and on the potential magnitude and nature of these exposures;

(d) For any treatment unit, a report on a demonstration of the effectiveness of the treatment based on laboratory or field data;

(e) Any additional information determined by the Executive Secretary to be necessary for evaluation of compliance of the unit with the environmental performance standards of R315-8-16, which incorporates by reference 40 CFR 264.601.

#### **2.15 SPECIFIC PART B INFORMATION**

##### **REQUIREMENTS FOR PROCESS VENTS**

For facilities that have process vents to which R315-8-17 applies, which incorporates by reference 40 CFR subpart AA of 264, the requirements of 40 CFR 270.24, 1991 ed., regarding information requirements for process vents are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for "Regional Administrator."

#### **2.16 SPECIFIC PART B INFORMATION**

##### **REQUIREMENTS FOR EQUIPMENT**

For facilities that have equipment to which R315-8-18 applies, which incorporates by reference 40 CFR subpart BB of 264, the requirements of 40 CFR 270.25, 1991 ed., regarding information requirements for equipment are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for "Regional Administrator."

#### **2.17 SPECIFIC PART B INFORMATION REQUIREMENTS FOR DRIP PADS**

For facilities that have drip pads to which R315-8-19 applies, which incorporates by reference 40 CFR subpart W, 264.570 through 264.575, the requirements of 40 CFR 270.26, 1991 ed., are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for "Director."

#### **2.18 SPECIFIC PART B INFORMATION REQUIREMENTS FOR AIR EMISSION CONTROLS FOR TANKS, SURFACE IMPOUNDMENTS, AND CONTAINERS**

The requirements as found in 40 CFR 270.27 1996 ed., as amended by 61 FR 59931, November 25, 1996, are adopted and incorporated by reference.

#### **2.19 PART B INFORMATION REQUIREMENTS FOR POST-CLOSURE PERMITS**

For post-closure permits, the owner or operator is required to submit only the information specified in R315-3-2.5(b)(1), (4), (5), (6), (11), (13), (14), (16), (18), (19), and R315-3-2.5(c) and (d), unless the Executive Secretary determines that additional information from R315-3-2.5, R315-3-2.7, which incorporates by reference 40 CFR 270.16, R315-3-2.8, R315-3-2.9, R315-3-2.11, or R315-3-2.12 is necessary. The owner or operator is required to submit the same information when an alternative authority is used in lieu of a post-closure permit as provided in R315-3-1.3(e)(7).

#### **2.20 PERMIT DENIAL**

The Executive Secretary may, pursuant to the procedures in R315-4, deny the permit application either in its entirety or as to the active life of a hazardous waste management facility or unit only.

### **R315-3-3. Permit Conditions.**

#### **3.1 CONDITIONS APPLICABLE TO PERMITS**

The following conditions apply to all permits. All conditions applicable to permits shall be incorporated into the permits either expressly or by reference. If incorporated by reference, a specific citation of these rules shall be given in the permit.

(a) Duty to comply. The permittee shall comply with all conditions of this permit, except that the permittee need not comply with the conditions of this permit to the extent and for the duration any noncompliance is authorized in an emergency permit. (See R315-3-6.2). Any plan noncompliance except under the terms of an emergency permit, constitutes a violation of the Utah Solid and Hazardous Waste Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

(b) Duty to reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit.

(c) Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the approved activity in order to maintain compliance with the conditions of this permit.

(d) In the event of noncompliance with the permit, the permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out all measures as are reasonable to

prevent significant adverse impact on human health or the environment.

(e) Proper operation and maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control, and related appurtenances, which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

(f) Permit actions. This permit may be modified, revoked and reissued, or terminated in accordance with the provisions of R315-3-4.2 or R315-4.4 and the procedures of R315-4-1.5. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification or planned changes or anticipated noncompliance, does not stay any permit condition.

(g) Property rights. This permit does not convey any property rights of any sort, or any exclusive privilege.

(h) Duty to provide information. The permittee shall furnish to the Executive Secretary within a reasonable time, any relevant information which the Executive Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Executive Secretary upon request, copies of records required to be kept by this permit.

(i) Inspection and entry. The permittee shall allow the Executive Secretary, the Board, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- (1) Enter at reasonable times upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (3) Inspect at reasonable times any facilities, equipment, including monitoring and control equipment, practices, or operations regulated or required under this permit; and
- (4) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Utah Solid and Hazardous Waste Act, any substances or parameters at any location.

(j) Monitoring and records.

- (1) Sample and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- (2) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, the certification required by R315-8-5.3, which incorporates by reference 40 CFR 264.73(b)(9), and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the

Executive Secretary and the Board at any time. The permittee shall maintain records of all groundwater quality and groundwater surface elevations, for the active life of the facility, and for the post-closure care period as well.

(3) Records of monitoring information shall include:

- (i) The date, exact place, and time of sampling or measurements;
  - (ii) The individual(s) who performed the sampling or measurements;
  - (iii) The date(s) analyses were performed;
  - (iv) The individual(s) who performed the analyses;
  - (v) The analytical techniques or methods used; and
  - (vi) The results of all analyses.
- (k) Signatory requirement. All applications, reports, or information submitted to the Executive Secretary shall be signed and certified, see R315-3-2.2.

(l) Reporting requirements.

(1) Planned changes. The permittee shall give notice to the Executive Secretary as soon as possible of any planned physical alterations or additions to the approved facility.

(2) Anticipated noncompliance. The permittee shall give advance notice to the Executive Secretary of any planned changes in the approved facility or activity which may result in noncompliance with permit requirements. For a new facility, the permittee may not treat, store, or dispose of hazardous waste; and for a facility being modified, the permittee may not treat, store, or dispose of hazardous waste in the modified portion of the facility except as provided in R315-3-4.3, which incorporates by reference 40 CFR 270.42, until:

(i) The permittee has submitted to the Executive Secretary by certified mail or hand delivery a letter signed by the permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; and

(ii)(A) The Executive Secretary or the Board has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or

(B) Within 15 days of the date of submission of the letter in R315-3-3.1(l)(2)(i), the permittee has not received notice from the Executive Secretary or Board of their intent to inspect, prior inspection is waived and the permittee may commence treatment, storage, or disposal of hazardous waste.

(3) Transfers. The permit is not transferable to any person except after notice to the Executive Secretary. The Executive Secretary may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate any other requirements as may be necessary. See R315-3-4.1.

(4) Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.

(5) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(6) Twenty-four hour reporting. See R315-9 for Emergency Controls.

(i) The permittee shall report any noncompliance which may

endanger health or the environment orally within 24 hours from the time the permittee becomes aware of the circumstances, including:

- (A) Information concerning release of hazardous waste that may cause an endangerment to public drinking water supplies.
- (B) Any information of a release of hazardous waste or of a fire or explosion from the hazardous waste management facility, which could threaten the environment or human health outside the facility.
- (ii) The description of the occurrence and its cause shall include:
  - (A) Name, address, and telephone number of the owner or operator;
  - (B) Name, address, and telephone number of the facility;
  - (C) Date, time, and type of incident;
  - (D) Name and quantity of material(s) involved;
  - (E) The extent of injuries, if any;
  - (F) An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
  - (G) Estimated quantity and disposition of recovered material that resulted from the incident.

(iii) A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance. The Executive Secretary may waive the five-day written notice requirement in favor of a written report within 15 days.

(7) Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to reconcile the discrepancy. If not resolved within fifteen days, the permittee shall submit a letter report, including a copy of the manifest, to the Executive Secretary. (See R315-8-5.4)

(8) Unmanifested waste report. This report shall be submitted to the Executive Secretary within 15 days of receipt of unmanifested wastes.

(9) Biennial report. A biennial report shall be submitted covering facility activities during odd numbered calendar years.

(10) Other noncompliance. The permittee shall report all instances of noncompliance not reported under R315-3-3.1(l)(4), (5), and (6), at the time monitoring reports are submitted. The reports shall contain the information listed in R315-3-3.1(l)(6).

(11) Other information. Where the permittee becomes aware that he failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Executive Secretary, he shall promptly submit all facts or information.

(m) Information repository. The Executive Secretary may require the permittee to establish and maintain an information repository at any time, based on the factors set forth in R315-4-2.33(b). The information repository will be governed by the provisions in R315-4-2.33 (c) through (f).

### 3.2 REQUIREMENTS FOR RECORDING AND REPORTING OF MONITORING RESULTS

All permits shall specify:

- (a) Requirements concerning the proper use, maintenance, and installation, when appropriate, of monitoring equipment or methods, including biological monitoring methods when appropriate;
- (b) Required monitoring including type, intervals, and frequency sufficient yield data which are representative of the monitored activity including, when appropriate, continuous monitoring;
- (c) Applicable reporting requirements based upon the impact of the regulated activity and as specified in R315-8 and R315-14. Reporting shall be no less frequent than specified in R315-8 and R315-14.

### 3.3 ESTABLISHING PERMIT CONDITIONS

In addition to the conditions established, each permit shall include:

(a) A list of the wastes or classes of wastes which will be treated, stored, or disposed of at the facility, and a description of the processes to be used for treating, storing, and disposing of these hazardous wastes at the facility including the design capacities of each storage, treatment, and disposal unit. Except in the case of containers, the description shall identify the particular wastes or classes of wastes which will be treated, stored, or disposed of in particular equipment or locations, e.g., "Halogenated organics may be stored in Tank A", and "Metal hydroxide sludges may be disposed of in landfill cells B, C, and D", and

(b)(1) Each permit shall include conditions necessary to achieve compliance with the Utah Solid and Hazardous Waste Act and these rules, including each of the applicable requirements specified in R315-7, R315-8, R315-13, which incorporates by reference 40 CFR 268, and R315-14, which incorporates by reference 40 CFR 266. In satisfying this provision, the Executive Secretary may incorporate applicable requirements of R315-7, R315-8, R315-13, which incorporates by reference 40 CFR 268, and R315-14, which incorporates by reference 40 CFR 266, directly into the permit or establish other permit conditions that are based on these rules.

(2) Each permit issued under the Utah Solid and Hazardous Waste Act shall contain terms and conditions as the Executive Secretary determines necessary to protect human health and the environment.

(c) New or reissued permits, and to the extent allowed under R315-3-4.2, modified or revoked and reissued permits, shall incorporate each of the applicable requirements referenced in R315-3-3.2 and R315-3-3.3.

(d) Incorporation. All permit conditions shall be incorporated either expressly or by reference. If incorporated by reference, a specific citation to the applicable requirements shall be given in the permit.

### 3.4 SCHEDULES OF COMPLIANCE

(a) The permit may, when appropriate, specify a schedule of compliance leading to compliance with these rules.

(1) Time for compliance. Any schedules of compliance under this section shall require compliance as soon as possible.

(2) Interim dates. Except as provided in R315-3-3.4(b)(1)(ii), if a permit establishes a schedule of compliance which exceeds one year from the date of permit issuance, the schedule shall set forth interim requirements and the dates for their achievement.



(i) The time between interim dates shall not exceed one year.

(ii) If the time necessary for completion of any interim requirement is more than one year and is not readily divisible into stages for completion, the permit shall specify interim dates for the submission of reports of progress toward completion of the interim requirements and indicate a projected completion date.

(3) Reporting. The permit shall be written to require that no later than 14 days following each interim date and the final date of compliance, the permittee shall notify the Executive Secretary or Board or both in writing, of its compliance or noncompliance with the interim or final requirement, or submit progress reports if R315-3-3.4(a)(2)(ii) is applicable.

(b) Alternative schedules of permit compliance. An applicant or permittee may cease conducting regulated activities, by receiving a terminal volume of hazardous waste, and for treatment and storage facilities, closing pursuant to applicable requirements; and for disposal facilities, closing and conducting post-closure care pursuant to applicable requirement, rather than continue to operate and meet permit requirements as follows:

(1) If the permittee decides to cease conducting regulated activities at a given time within the term of a permit which has already been issued:

(i) The permit may be modified to contain a new or additional schedule leading to timely cessation of activities; or

(ii) The permittee shall cease conducting activities before noncompliance with any interim or final compliance schedule requirement already specified in the permit.

(2) If the decision to cease conducting regulated activities is made before issuance of a permit whose term will include the termination date, the permit shall contain a schedule leading to permit termination which will ensure timely compliance with applicable requirements.

(3) If the permittee is undecided whether to cease conducting regulated activities, the Executive Secretary may issue or modify a permit to contain two schedules as follows:

(i) Both schedules shall contain an identical interim deadline requiring a final decision on whether to cease conducting regulated activities no later than a date which ensures sufficient time to comply with applicable requirements in a timely manner if the decision is to continue conducting regulated activities;

(ii) One schedule shall lead to timely compliance with applicable requirements.

(iii) The second schedule shall lead to cessation of regulated activities by a date which will ensure timely compliance with applicable requirements;

(iv) Each permit containing two schedules shall include a requirement that after the permittee has made a final decision under R315-3-3.4(b)(3)(i) it shall follow the schedule leading to termination if the decision is to cease conducting regulated activities.

(4) The applicant's or permittee's decision to cease conducting regulated activities shall be evidenced by a firm public commitment satisfactory to the Executive Secretary, such as resolution of the board of directors of a corporation.

(a) A permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued under R315-3-4.1(b) or R315-3-4.2(b)(2) to identify the new permittee and incorporate such other requirements as may be necessary under the appropriate Act.

(b) Changes in the ownership or operational control of a facility may be made as a Class 1 modification with prior written approval of the Executive Secretary in accordance with R315-3-4.3, which incorporates by reference 40 CFR 270.42. The new owner or operator shall submit a revised permit application no later than 90 days prior to the scheduled change. A written agreement containing a specific date for transfer of permit responsibility between the current and new permittees shall also be submitted to the Executive Secretary. When a transfer of ownership or operational control occurs, the old owner or operator shall comply with the requirements of R315-8-8, which incorporates by reference 40 CFR 264, subpart H, until the new owner or operator has demonstrated that he is complying with the requirements of that subpart. The new owner or operator shall demonstrate compliance with R315-8-8, which incorporates by reference 40 CFR 264, subpart H requirements within six months of the date of the change of ownership or operational control of the facility. Upon demonstration to the Executive Secretary by the new owner or operator of compliance with R315-8-8, which incorporates by reference 40 CFR 264, subpart H, the Executive Secretary shall notify the old owner or operator that he no longer needs to comply with R315-8-8, which incorporates by reference 40 CFR 264, subpart H as of the date of demonstration.

#### 4.2 MODIFICATION OR REVOCATION AND REISSUANCE OF PERMITS

When the Executive Secretary receives any information, for example, inspects the facility, receives information submitted by the permittee as required in the permit see R315-3-3.1, receives a request for modification or revocation and reissuance under R315-4-1.5 or conducts review of the permit file, he may determine whether one or more of the causes listed in R315-3-4.2(a) and (b) for modification or revocation and reissuance or both exist. If cause exists, the Executive Secretary may modify or revoke and reissue the permit accordingly, subject to the limitations of R315-3-4.2(c), and may request an updated application if necessary. When a permit is modified, only the conditions subject to modification are reopened. If a permit is revoked and reissued, the entire permit is reopened and subject to revision and the permit is reissued for a new term. See R315-4-1.5(c)(2). If cause does not exist under this section, the Executive Secretary shall not modify or revoke and reissue the permit, except on request of the permittee. If a permit modification is requested by the permittee, the Executive Secretary shall approve or deny the request according to the procedures of R315-3-4.3, which incorporates by reference 40 CFR 270.42. Otherwise, a draft permit shall be prepared and other procedures in R315-4 followed.

(a) Causes for modification. The following are causes for modification but not revocation and reissuance of permits, and the following may be causes for revocation and reissuance as well as modification under any program when the permittee requests or agrees.

### **R315-3-4. Changes to Permit.**

#### **4.1 TRANSFER OF PERMITS**

(1) Alterations. There are material and substantial alterations or additions to the approved facility or activity which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit.

(2) Information. The Executive Secretary has received information. Permits may be modified during their terms for this cause only if the information was not available at the time of permit issuance, other than revised rules, guidance, or test methods, and would have justified the application of different permit conditions at the time of issuance.

(3) New statutory requirements or rules. The standards or rules on which the permit was based have been changed by statute, through promulgation of new or amended standards or rules or by judicial decision after the permit was issued.

(4) Compliance schedules. The Executive Secretary determined good cause exists for modification of a compliance schedule, such as an act of God, strike, flood, or materials shortage or other events over which the permittee has little or no control and for which there is no reasonably available remedy.

(5) Notwithstanding any other provision in this section, when a permit for a land disposal facility is reviewed by the Executive Secretary under R315-3-5.1(d), the Executive Secretary shall modify the permit as necessary to assure that the facility continues to comply with the currently applicable requirements in these rules.

(b) Causes for modification or revocation and reissuance. The following are causes to modify, or, alternatively, revoke and reissue a permit;

(1) Cause exists for termination under R315-3-4.4 and the Executive Secretary determines that modification or revocation and reissuance is appropriate.

(2) The Executive Secretary has received notification as required in the permit, see R315-3-3.1(l)(3) of a proposed transfer of the permit.

(c) Facility siting. Suitability of the facility location may not be considered at the time of permit modification or revocation and reissuance unless new information or standards indicate that a threat to human health or the environment exists which was unknown at the time of permit issuance.

#### **4.3 PERMIT MODIFICATION AT THE REQUEST OF THE PERMITTEE**

The requirements of 40 CFR 270.42, including Appendix I, 2000 ed., are adopted and incorporated by reference with the following exception;

substitute "Executive Secretary" for all Federal regulation references made to "Director" or "Administrator";

#### **4.4 TERMINATION OF PERMITS**

(a) The following are causes for terminating a permit during its term, or for denying a permit renewal application:

(1) Noncompliance by the permittee with any condition of the permit;

(2) The permittee's failure in the application or during the permit issuance process to disclose fully all relevant facts, or the permittee's misrepresentation of any relevant facts at any time; or

(3) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.

(b) The Executive Secretary shall follow the applicable procedures in R315-4 in terminating any permit under R315-3-4.4.

### **R315-3-5. Expiration and Continuation of Permits.**

#### **5.1 DURATION OF PERMITS**

(a) Hazardous waste operation permits shall be effective for a fixed term not to exceed ten years.

(b) Except as provided in R315-3-5.2, the term of a permit shall not be extended by modification beyond the maximum duration specified in R315-3-5.1.

(c) The Executive Secretary may issue any permit for a duration that is less than the full allowable term under this section.

(d) Each permit for a land disposal facility shall be reviewed by the Board five years after the date of permit issuance or reissuance and shall be modified as necessary, as provided in R315-3-4.2.

#### **5.2 CONTINUATION OF EXPIRING PERMITS**

(a) The conditions of an expired permit continue in force until the effective date of a new permit if:

(1) The permittee has submitted a timely application under R315-3-2.5 and the applicable requirements of R315-3-2.5 and the applicable sections in R315-3-2.6 through R315-3-2.20, which is a complete application for a new permit; and

(2) The Executive Secretary through no fault of the permittee, does not issue a new permit with an effective date on or before the expiration date of the previous permit, for example, when issuance is impracticable due to time or resource constraints.

(b) Effect. Permits continued under this section remain fully effective and enforceable.

(c) Enforcement. When the permittee is not in compliance with the conditions of the expiring or expired permit, the Executive Secretary or Board or both may choose to do any or all of the following:

(1) Initiate enforcement action based upon the permit which has been continued;

(2) Issue a notice of intent to deny the new permit under R315-4-1.6. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;

(3) Issue a new permit under R315-4 with appropriate conditions;

(4) Take other actions authorized by these rules.

(d) State Continuation. If the permittee has submitted a timely and complete application, including timely and adequate response to any deficiency notice, for permit under applicable State law and rules, the terms and conditions of an EPA issued RCRA permit shall continue in force until the effective date of the State's issuance or denial of a State permit.

(e) Permits which have been issued under authority of the Federal Resource Conservation and Recovery Act will be administered by the State when hazardous waste program authorization becomes effective.

### **R315-3-6. Special Forms of Permits.**

#### **6.1 PERMITS BY RULE**

Notwithstanding any other provision of R315-3 and R315-4, the following shall be deemed to have an approved hazardous

waste permit if the conditions listed are met:

(a) Injection wells. The owner or operator of an injection well disposing of hazardous waste, if the owner or operator:

(1) Has a permit for underground injection issued under State or Federal law.

(2) Complies with the conditions of that permit and the requirements in R317-7, Underground Injection Control Program, for managing hazardous waste in a well.

(3) For UIC permits issued after November 8, 1984:

(i) Complies with R315-8-6.12; and

(ii) Where the UIC well is the only unit at a facility which requires a permit, complies with R315-3-2.5(d).

(b) Publicly owned treatment works. The owner or operator of a POTW which accepts hazardous waste, for treatment if the owner or operator:

(1) Has an NPDES permit;

(2) Complied with the conditions of that permit;

(3) Complies with the following rules;

(i) R315-8-2.2, Identification number;

(ii) R315-8-5.2, Use of manifest system;

(iii) R315-8-5.4, Manifest discrepancies;

(iv) R315-8-5.3, which incorporates by reference 40 CFR 264.73(a) and (b)(1), Operating record;

(v) R315-8-5.6, Biennial report;

(vi) R315-8-5.7, Unmanifested waste report; and

(vii) R315-8-6.12, For NPDES permits issued after November 8, 1984.

(4) If the waste meets all Federal, State, and local pretreatment requirements which would be applicable to the waste if it were being discharged into the POTW through a sewer, pipe, or similar conveyance.

(c) Elementary Neutralization Units and Wastewater Treatment Units, as defined in 40 CFR 270.2, which R315-1-1(d) incorporates by reference.

## 6.2 EMERGENCY PERMITS

(a) Notwithstanding any other provision of R315-3 or R315-4, in the event the Executive Secretary finds an imminent and substantial endangerment to human health or the environment the Executive Secretary may issue a temporary emergency permit: (1) to a non-permitted facility to allow treatment, storage, or disposal of hazardous waste or (2) to a permitted facility to allow treatment, storage, or disposal of a hazardous waste not covered by an effective permit.

(b) This emergency permit:

(1) May be oral or written. If oral, it shall be followed in five days by a written emergency permit;

(2) Shall not exceed 90 days in duration;

(3) Shall clearly specify the hazardous waste to be received, and the manner and location of their treatment, storage, or disposal;

(4) May be terminated by the Executive Secretary at any time without process if he determines that termination is appropriate to protect human health and the environment;

(5) Shall be accompanied by a public notice published under R315-4-1.10(b) including:

(i) Name and address of the office granting the emergency authorization;

(ii) Name and location of the permitted hazardous waste management facility;

(iii) A brief description of the wastes involved;

(iv) A brief description of the action authorized and reasons for authorizing it; and

(v) Duration of the emergency permit; and

(6) Shall incorporate, to the extent possible and not inconsistent with the emergency situation, all applicable requirements of R315-3, R315-8, and R315-14.

## 6.3 HAZARDOUS WASTE INCINERATOR PERMITS

When an owner or operator demonstrates compliance with the air emission standards and limitations in R307-214-2, which incorporates by reference 40 CFR 63, subpart EEE (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), the requirements of R315-3-6.3 do not apply. Nevertheless, the Executive Secretary may apply the provisions of R315-3-6.3, on a case-by-case basis, for purposes of information collection in accordance with R315-3-2.1(j) and R315-3-3.3(b)(2).

(a) For the purposes of determining operational readiness following completion of physical construction, the Executive Secretary shall establish permit conditions, including but not limited to allowable waste feeds and operating conditions, in the permit to a new hazardous waste incinerator. These permit conditions will be effective for the minimum time required to bring the incinerator to a point of operational readiness sufficient to conduct a trial burn, not to exceed 720 hours operating time for treatment of hazardous waste. The Executive Secretary may extend the duration of this operational period once, for up to 720 additional hours, at the request of the applicant when good cause is shown. The permit may be modified to reflect the extension according to R315-3-4.3, which incorporates by reference 40 CFR 270.42.

(1) Applicants shall submit a statement, with part B of the permit application, which suggests the conditions necessary to operate in compliance with the performance standards of R315-8-15.4 during this period. This statement should include, at a minimum, restrictions on waste constituents, waste feed rates and the operating parameters identified in R315-8-15.6.

(2) The Executive Secretary will review this statement and any other relevant information submitted with part B of the permit and specify requirements for this period sufficient to meet the performance standards of R315-8-15.4 based on its engineering judgment.

(b) For the purpose of determining feasibility of compliance with the performance standards of R315-8-15.4, and of determining adequate operating conditions under R315-8-15.6, the Executive Secretary shall establish conditions in the permit to a new hazardous waste incinerator to be effective during the trial burn.

(1) Applicants shall propose a trial burn plan, prepared under R315-3-6.3(b)(2) with part B of the permit application.

(2) The trial burn plan shall include the following information:

(i) An analysis of each waste or mixture of wastes to be burned which includes:

(A) Heat value of the waste in the form and composition in which it will be burned.

(B) Viscosity, if applicable, or description of physical form of

the waste.

(C) An identification of any hazardous organic constituents listed in R315-50-10, which incorporates by reference 40 CFR 261, Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in R315-50-10, which incorporates by reference 40 CFR 261, Appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis shall be identified, and the basis for their exclusion stated. The waste analysis shall rely on analytical techniques specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11 and 270.6, see R315-1-2, or other equivalent.

(D) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11 and 270.6, see R315-1-2, or, their equivalent.

(ii) A detailed engineering description of the incinerator for which the permit is sought including:

(A) Manufacturer's name and model number of incinerator, if available.

(B) Type of incinerator.

(C) Linear dimensions of the incinerator unit including the cross sectional area of combustion chamber.

(D) Description of the auxiliary fuel system type and feed.

(E) Capacity of prime mover.

(F) Description of automatic waste feed cut-off system(s).

(G) Stack gas monitoring and pollution control equipment.

(H) Nozzle and burner design.

(I) Construction materials.

(J) Location and description of temperature, pressure, and flow indicating and control devices.

(iii) A detailed description of sampling and monitoring procedures, including sampling and monitoring locations of the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.

(iv) A detailed test schedule for each waste for which the trial burn is planned including date(s), duration, quantity of waste to be burned, and other factors relevant to the Executive Secretary's decision under R315-3-6.3(b)(5).

(v) A detailed test protocol, including, for each waste identified, the ranges of temperature, waste feed rate, combustion gas velocity, use of auxiliary fuel, and any other relevant parameters that will be varied to affect the destruction and removal efficiency of the incinerator.

(vi) A description of, and planned operating conditions for, any emission control equipment which will be used.

(vii) Procedures for rapidly stopping waste feed, shutting down the incinerator, and controlling emissions in the event of an equipment malfunction.

(viii) All other information as the Executive Secretary reasonably finds necessary to determine whether to approve the trial burn plan in light of the purpose of this paragraph and the criteria in R315-3-6.3(b)(5).

(3) The Executive Secretary, in reviewing the trial burn plan, shall evaluate the sufficiency of the information provided and may require the applicant to supplement this information, if necessary, to achieve the purposes of this paragraph.

(4) Based on the waste analysis data in the trial burn plan, the Executive Secretary will specify as trial Principal Organic Hazardous Constituents (POHCs), those constituents for which destruction and removal efficiencies shall be calculated during the trial burn. These trial POHCs will be specified by the Executive Secretary based on his estimate of the difficulty of incineration of the constituents identified in the waste analysis, their concentration or mass in the waste feed, and, for wastes listed in R315-2-10, the hazardous waste organic constituent or constituents identified in R315-50-9 as the basis for listing.

(5) The Executive Secretary shall approve a trial burn plan if it finds that:

(i) The trial burn is likely to determine whether the incinerator performance standard required by R315-8-15.4 can be met;

(ii) The trial burn itself will not present an imminent hazard to human health or the environment;

(iii) The trial burn will help the Executive Secretary to determine operating requirements to be specified under R315-8-15.6; and

(iv) The information sought in R315-3-6.3(b)(5)(i) and (ii) cannot reasonably be developed through other means.

(6) The Executive Secretary shall send a notice to all persons on the facility mailing list as set forth in R315-4-1.10(c)(1)(v) and to the appropriate units of State and local government as set forth in R315-4-1.10(c)(1)(iv) announcing the scheduled commencement and completion dates for the trial burn. The applicant may not commence the trial burn until after the Executive Secretary has issued such notice.

(i) This notice shall be mailed within a reasonable time period before the scheduled trial burn. An additional notice is not required if the trial burn is delayed due to circumstances beyond the control of the facility or the Division.

(ii) This notice shall contain:

(A) The name and telephone number of the applicant's contact person;

(B) The name and telephone number of the Division;

(C) The location where the approved trial burn plan and any supporting documents can be reviewed and copied; and

(D) An expected time period for commencement and completion of the trial burn.

(7) During each approved trial burn, or as soon after the burn as is practicable, the applicant shall make the following determinations:

(i) A quantitative analysis of the trial POHCs in the waste feed to the incinerator.

(ii) A quantitative analysis of the exhaust gas for the concentration and mass emissions of the trial POHC, oxygen (O<sub>2</sub>) and hydrogen chloride (HCl).

(iii) A quantitative analysis of the scrubber water, if any, ash residues, and other residues, for the purpose of estimating the fate of the trial POHCs.

(iv) A computation of destruction and removal efficiency

(DRE), in accordance with the DRE formula specified in R315-8-15.4(a).

(v) If the HC1 emission rate exceeds 1.8 kilograms of HC1 per hour (4 pounds per hour), a computation of HC1 removal efficiency in accordance with R315-8-15.4(b).

(vi) A computation of particulate emissions in accordance with R315-8-15.4(c).

(vii) An identification of sources of fugitive emissions and their means of control.

(viii) A measurement of average, maximum, and minimum temperatures and combustion gas velocity.

(ix) A continuous measurement of carbon monoxide (CO) in the exhaust gas.

(x) All other information as the Executive Secretary may specify as necessary to ensure that the trial burn will determine compliance with the performance standards in R315-8-15.4 and to establish the operating conditions required by R315-8-15.6 as necessary to meet that performance standard.

(8) The applicant shall submit to the Executive Secretary a certification that the trial burn has been carried out in accordance with the approved trial burn plan, and shall submit the results of all the determinations required in R315-3-6.3(b)(7). This submission shall be made within 90 days of completion of the trial burn, or later if approved by the Executive Secretary.

(9) All data collected during any trial burn shall be submitted to the Executive Secretary following the completion of the trial burn.

(10) All submissions required by this paragraph shall be certified on behalf of the applicant by the signature of a person authorized to sign a permit application or a report under R315-3-2.2.

(11) Based on the results of the trial burn, the Executive Secretary shall set the operating requirements in the final permit according to R315-8-15.6. The permit modification shall proceed according to R315-3-4.3, which incorporates by reference 40 CFR 270.42.

(c) For the purpose of allowing operation of a new hazardous waste incinerator following completion of the trial burn and prior to final modification of the permit conditions to reflect the trial burn results, the Executive Secretary may establish permit conditions, including but not limited to allowable waste feeds and operating conditions sufficient to meet the requirements of R315-8-15.6, in the permit to a new hazardous waste incinerator. These permit conditions will be effective for the minimum time required to complete sample analysis, data computation and submission of the trial burn results by the applicant, and modification of the facility permit by the Executive Secretary.

(1) Applicants shall submit a statement, with part B of the permit application, which identifies the conditions necessary to operate in compliance with the performance standards of R315-8-15.4 during this period. This statement should include, at a minimum, restrictions on waste constituents, waste feed rates and the operating parameters identified in R315-8-15.6.

(2) The Executive Secretary will review this statement and any other relevant information submitted with part B of the permit application and specify those requirements for this period most likely to meet the performance standards of R315-8-15.4 based on

its engineering judgment.

(d) For the purposes of determining feasibility of compliance with the performance standards of R315-8-15.4 and of determining adequate operating conditions under R315-8-15.6, the applicant for a permit for an existing hazardous waste incinerator shall prepare and submit a trial burn plan and perform a trial burn in accordance with R315-3-2.10(b) and R315-3-6.3(b)(2) through (b)(5) and (b)(7) through (b)(10) or, instead, submit other information as specified in R315-3-2.10(c). The Executive Secretary shall announce his or her intention to approve the trial burn plan in accordance with the timing and distribution requirements of R315-3-6.3(b)(6). The contents of the notice shall include: the name and telephone number of a contact person at the facility; the name and telephone number of a contact office at the Division; the location where the trial burn plan and any supporting documents can be reviewed and copied; and a schedule of the activities that are required prior to permit issuance, including the anticipated time schedule for agency approval of the plan and the time period during which the trial burn would be conducted. Applicants submitting information under R315-3-2.10(a) are exempt from compliance with R315-8-15.4 and R315-8-15.6 and, therefore, are exempt from the requirement to conduct a trial burn. Applicants who submit trial burn plans and receive approval before submission of a permit application shall complete the trial burn and submit the results, specified in R315-3-6.3(b)(7), with part B of the permit application. If completion of this process conflicts with the date set for submission of the part B application, the applicant shall contact the Executive Secretary to establish a later date for submission of the part B application or the trial burn results. Trial burn results shall be submitted prior to issuance of the permit. When the applicant submits a trial burn plan with part B of the permit application, the Executive Secretary will specify a time period prior to permit issuance in which the trial burn shall be conducted and the results submitted.

#### 6.4 PERMITS FOR LAND TREATMENT DEMONSTRATIONS USING FIELD TEST OR LABORATORY ANALYSES

(a) For the purpose of allowing an owner or operator to meet the treatment demonstration requirements of R315-8-13.3, the Executive Secretary may issue a treatment demonstration permit. The permit shall contain only those requirements necessary to meet the standards in R315-8-13.3(c). The permit may be issued either as a treatment or disposal approval covering only the field test or laboratory analyses, or as a two-phase facility approval covering the field tests, or laboratory analyses, and design, construction, operation and maintenance of the land treatment unit.

(1) The Executive Secretary may issue a two-phase facility permit if they find that, based on information submitted in part B of the application, substantial, although incomplete or inconclusive, information already exists upon which to base the issuance of a facility permit.

(2) If the Executive Secretary finds that not enough information exists upon which they can establish permit conditions to attempt to provide for compliance with all the requirements of R315-8-13, he shall issue a treatment demonstration permit covering only the field test or laboratory analyses.

(b) If the Executive Secretary finds that a phased permit may be issued, he will establish, as requirements in the first phases of the facility permit, conditions for conducting the field tests or laboratory analyses. These permit conditions will include design and operating parameters, including the duration of the tests or analyses and, in the case of field tests, the horizontal and vertical dimensions of the treatment zone, monitoring procedures, post-demonstration cleanup activities, and any other conditions which the Executive Secretary finds may be necessary under R315-8-13.3(c). The Executive Secretary will include conditions in the second phase of the facility permit to attempt to meet all R315-8-13 requirements pertaining to unit design, construction, operation, and maintenance. The Executive Secretary will establish these conditions in the second phase of the permit based upon the substantial but incomplete or inconclusive information contained in the part B application.

(1) The first phase of the permit will be effective as provided in R315-4-1.15.

(2) The second phase of the permit will be effective as provided in R315-3-6.4(d).

(c) When the owner or operator who has been issued a two-phase permit has completed the treatment demonstration, he shall submit to the Executive Secretary certification, signed by a person authorized to sign a permit application or report under R315-3-2.2, that the field tests or laboratory analyses have been carried out in accordance with the conditions specified in phase one of the permit for conducting the tests or analyses. The owner or operator shall also submit all data collected during the field tests or laboratory analyses within 90 days of completion of those tests or analyses unless the Executive Secretary approves a later date.

(d) If the Executive Secretary determines that the results of the field tests or laboratory analyses meet the requirements of R315-8-13.3, he will modify the second phase of the permit to incorporate any requirement necessary for operation of the facility in compliance with R315-8-13, based upon the results of the field tests or laboratory analyses.

(1) This permit modification may proceed under R315-3-4.3, which incorporates by reference 40 CFR 270.42, or otherwise will proceed as a modification under R315-3-4.2(a)(2). If such modifications are necessary, the second phase of the permit will become effective only after those modifications have been made.

(2) If no modification of the second phase of the permit are necessary, the Executive Secretary will give notice of his final decision to the permit applicant and to each person who submitted written comments on the phased permit or who requested notice of final decision on the second phase of the permit. The second phase of the permit then will become effective as specified in R315-4-1.15(b).

#### **6.5 RESEARCH, DEVELOPMENT, AND DEMONSTRATION PERMITS**

(a) The Executive Secretary may issue a research, development, and demonstration permit for any hazardous waste treatment facility which proposes to utilize an innovative and experimental hazardous waste treatment technology or process for which permit standards for any experimental activity have not been promulgated under R315-8 and R315-14. Any such permits shall include such terms and conditions as will assure protection of human

health and the environment. These permits:

(1) Shall provide for the construction of these facilities as necessary, and for operation of the facility for not longer than one year unless renewed as provided in R315-3-6.5(d), and

(2) Shall provide for the receipt and treatment by the facility of only those types and quantities of hazardous waste which the Executive Secretary deems necessary for purposes of determining the efficiency and performance capabilities of the technology or process and the effects of the technology or process on human health and the environment; and

(3) Shall include all requirements as the Executive Secretary deems necessary to protect human health and the environment, including, but not limited to requirements regarding monitoring, operation, financial responsibility, closure, and remedial action, and all requirements as the Executive Secretary or Board or both deems necessary regarding testing and providing of information to the Executive Secretary with respect to the operation of the facility.

(b) For the purpose of expediting review and issuance of permit under this section, the Executive Secretary may, consistent with the protection of human health and the environment, modify or waive permit application and permit issuance requirements in R315-3 and R315-4 except that there may be no modification or waiver of regulations regarding financial responsibility, including insurance, or of procedures regarding public participation.

(c) The Executive Secretary or Board or both may order an immediate termination of all operations at the facility at any time they determine that termination is necessary to protect human health and the environment.

(d) Any permit issued under this section may be renewed not more than three times. Each renewal shall be for a period of not more than one year.

#### **6.6 PERMITS FOR BOILERS AND INDUSTRIAL FURNACES BURNING HAZARDOUS WASTE**

The requirements of 40 CFR 270.66, 2000 ed., are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for all references made to "Director."

#### **6.7 REMEDIAL ACTION PLANS**

Remedial Action Plans (RAPs) are special forms of permits that are regulated under R315-3-8, which incorporates by reference 40 CFR 270, subpart H.

#### **R315-3-7. Interim Status.**

##### **7.1 QUALIFYING FOR INTERIM STATUS**

(a) Any person who owns or operates an "existing hazardous waste management facility" or a facility in existence on the effective date of statutory or regulatory amendments under the State or Federal Act that render the facility subject to the requirement to have a RCRA permit or State permit shall have interim status and shall be treated as having been issued a permit to the extent he or she has:

(1) Complied with the Federal requirements of section 3010(a) of RCRA pertaining to notification of hazardous waste activity or the notification requirements of these rules.

Comment: Some existing facilities may not be required to file a notification under section 3010(a) of RCRA. These facilities may

qualify for interim status by meeting R315-3-7.1(a)(2).

(2) Complied with the requirements of 40 CFR 270.10 or R315-3-2.1 governing submission of part A applications;

(b) Failure to qualify for interim status. If the Executive Secretary has reason to believe upon examination of a part A application that it fails to meet the requirements of R315-3-2.4, the Executive Secretary shall notify the owner or operator in writing of the apparent deficiency. The notice shall specify the grounds for the Executive Secretary's belief that the application is deficient. The owner or operator shall have 30 days from receipt to respond to the notification and to explain or cure the alleged deficiency in his part A application. If, after the notification and opportunity for response, the Executive Secretary determines that the application is deficient he may take appropriate enforcement action.

(c) R315-3-7.1(a) shall not apply to any facility which has been previously denied a permit or RCRA permit or if authority to operate the facility under State or Federal authority has been previously terminated.

## 7.2 OPERATION DURING INTERIM STATUS

(a) During the interim status period the facility shall not:

(1) Treat, store, or dispose of hazardous waste not specified in part A of the permit or permit application;

(2) Employ processes not specified in part A of the permit or permit application; or

(3) Exceed the design capacities specified in part A of the permit or permit application.

(b) Interim status standards. During interim status, owners or operators shall comply with the interim status standards in R315-7.

## 7.3 CHANGES DURING INTERIM STATUS

(a) Except as provided in R315-3-7.3(b), the owner or operator of an interim status facility may make the following changes at the facility:

(1) Treatment, storage, or disposal of new hazardous wastes not previously identified in part A of the permit application and, in the case of newly listed or identified wastes, addition of the units being used to treat, store, or dispose of the hazardous wastes on the effective date of the listing or identification if the owner or operator submits a revised part A permit application prior to treatment, storage, or disposal;

(2) Increases in the design capacity of processes used at the facility if the owner or operator submits a revised part A permit application prior to a change, along with a justification explaining the need for the change, and the Executive Secretary approves the changes because:

(i) There is a lack of available treatment, storage, or disposal capacity at other hazardous waste management facilities; or

(ii) The change is necessary to comply with a Federal, State, or local requirement.

(3) Changes in the processes for the treatment, storage, or disposal of hazardous waste or addition of processes if the owner or operator submits a revised part A permit application prior to such change, along with a justification explaining the need for the change, and the Executive Secretary approves the change because:

(i) The change is necessary to prevent a threat to human health and the environment because of an emergency situation; or

(ii) The change is necessary to comply with a Federal, State, or

local requirement.

(4) Changes in the ownership or operational control of a facility if the new owner or operator submits a revised part A permit application no later than 90 days prior to the scheduled change. When a transfer of operational control of a facility occurs, the old owner or operator shall comply with the requirements of R315-7-15, which incorporates by reference 40 CFR 265 subpart H, until the new owner or operator has demonstrated to the Executive Secretary that he is complying with the requirements of that subpart. The new owner or operator shall demonstrate compliance with R315-7-15, which incorporates by reference 40 CFR 265 subpart H, within six months of the date of the change in ownership or operational control of the facility. Upon demonstration to the Executive Secretary by the new owner or operator of compliance with R315-7-15, which incorporates by reference 40 CFR 265 subpart H, the Executive Secretary shall notify the old owner or operator in writing that he no longer needs to comply with R315-7-15, which incorporates by reference 40 CFR 265 subpart H, as of the date of demonstration. All other interim status duties are transferred effective immediately upon the date of the change in ownership or operational control of the facility.

(5) Changes made in accordance with an interim status corrective action order issued, under 19-6-105(d), or by EPA under section 3008(h) RCRA or other Federal authority or by a court in a judicial action brought by EPA or by an authorized State. Changes under this paragraph are limited to the treatment, storage, or disposal of solid waste from releases that originate within the boundary of the facility.

(6) Addition of newly regulated units for the treatment, storage, or disposal of hazardous waste if the owner or operator submits a revised part A permit application on or before the date on which the unit becomes subject to the new requirements.

(b) Except as specifically allowed under this paragraph, changes listed under R315-3-7.3(a) may not be made if they amount to reconstruction of the hazardous waste management facility. Reconstruction occurs when the capital investment in the changes to the facility exceeds 50 percent of the capital cost of a comparable entirely new hazardous waste management facility. If all other requirements are met, the following changes may be made even if they amount to a reconstruction:

(1) Changes made solely for the purposes of complying with the requirements of R315-7-17, which incorporates by reference 40 CFR 265.193, for tanks and ancillary equipment.

(2) If necessary to comply with Federal, State, or local requirements, changes to an existing unit, changes solely involving tanks or containers, or addition of replacement surface impoundments that satisfy the standards of section 3004(o) of RCRA.

(3) Changes that are necessary to allow owners or operators to continue handling newly listed or identified hazardous wastes that have been treated, stored, or disposed of at the facility prior to the effective date of the rule establishing the new listing or identification.

(4) Changes during closure of a facility or of a unit within a facility made in accordance with an approved closure plan.

(5) Changes necessary to comply with an interim status corrective action order issued, under subsection 19-6-105(d), or

by EPA under section 3008(h) of RCRA or other Federal authority, or by a court in a judicial proceeding brought by EPA, provided that such changes are limited to the treatment, storage, or disposal of solid waste from releases that originate within the boundary of the facility.

(6) Changes to treat or store, in tanks or containers, or containment buildings, hazardous wastes subject to land disposal restrictions imposed by R315-13, which incorporates by reference 40 CFR 268, or R315-8, provided that these changes are made solely for the purpose of complying with R315-13, which incorporates by reference 40 CFR 268, or R315-8.

(7) Addition of newly regulated units under R315-3-7.3(a)(6).

(8) Changes necessary to comply with standards under 40 CFR part 63, subpart EEE - National Emission Standards for Hazardous Air Pollutants From Hazardous Waste Combustors.

#### 7.4 TERMINATION OF INTERIM STATUS

Interim status terminates when:

(a) Final administrative disposition of a permit application, except an application for a remedial action plan (RAP) under R315-3-8, which incorporates by reference 40 CFR 270, subpart H, is made.

(b) Interim status is terminated as provided in R315-3-2.1(d)(5).

(c) For owners or operators of each land disposal facility which has been granted interim status prior to November 8, 1984, on November 8, 1985, unless:

(1) The owner or operator submits a part B application for a permit for a facility prior to that date; and

(2) The owner or operator certifies that the facility is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(d) For owners or operators of each land disposal facility which is in existence on the effective date of statutory or regulatory amendments under the Federal Act that render the facility subject to the requirement to have a RCRA permit and which is granted interim status, twelve months after the date on which the facility first becomes subject to the permit requirement unless the owner or operator of the facility:

(1) Submits a part B application for a permit for the facility before the date 12 months after the date on which the facility first becomes subject to the permit requirement; and

(2) Certifies that the facility is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(e) For owners or operators of any land disposal unit that is granted authority to operate under R315-3-7.3(a)(1), (2) or (3), on the date 12 months after the effective date of the requirement, unless the owner or operator certifies that this unit is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(f) For owners or operators of each incinerator facility which has achieved interim status prior to November 8, 1984, interim status terminates on November 8, 1989, unless the owner or operator of the facility submits a part B application for a permit for an incinerator facility by November 8, 1986.

(g) For owners or operators of any facility, other than a land disposal or an incinerator facility, which has achieved interim status

prior to November 8, 1984, interim status terminates on November 8, 1992, unless the owner or operator of the facility submits a part B application for a hazardous waste permit for the facility by November 8, 1988.

#### **R315-3-8. Remedial Action Plans (RAPs).**

The requirements of 40 CFR 270, subpart H, which includes sections 270.79 through 270.230, 2000 ed., are adopted and incorporated by reference with the following exception:

substitute "Executive Secretary" for all Federal regulation references made to "Director."

#### **KEY: hazardous waste**

**July 20, 2001**

**19-6-105**

**Notice of Continuation March 12, 1997**

**19-6-106**